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INNOVATIONS
SPECIAL OFFERS
 AUTUMN/WINTER
20/21



OFFER FOR OUR CUSTOMERS, WHO ARE ENTREPRENEURS AND NOT CONSUMERS ARE
 VALID FROM 1/9/2020 TO 28/02/2021

MOBILBOY AC Series - Handy products for domestic and DIY use at up to 10 bar

- ▶ Universally deployable in domestic, DIY and on-site applications
- ▶ Electric motor equipped with soft-start and motor protection switch
- ▶ Includes a pressure regulator as standard for continuous adjustability of the working pressure
- ▶ Two pressure gauges for displaying the tank and working pressure
- ▶ Fully automatic On/Off operation
- ▶ Powder coated tank
- ▶ With rugged plastic wheels and an extensible handle for easy and flexible transport



Technical data	MOBILBOY 241/24 AC	MOBILBOY 261/24 AC	MOBILBOY 301/50 AC	MOBILBOY 421/50 AC
Art. No.	2004242	2004262	2004304	2004404
Compressor system	HOS	HOS	HOS	HOS
Intake capacity approx.	188 l/min	218 l/min	235 l/min	412 l/min
Fill capacity approx.	113 l/min	132 l/min	141 l/min	247 l/min
Maximum pressure	8 bar	10 bar	10 bar	10 bar
Vessel capacity	24 l	24 l	50 l	50 l
Cylinders/stages	1/1	1/1	1/1	2/1
Rotational speed	2 850 rpm	2 850 rpm	2 850 rpm	2 850 rpm
Motor Power	1.1 kW / 230 V	1.3 kW / 230 V	1.5 kW / 230 V	2.2 kW / 230 V
Weight	24 kg	29 kg	36.5 kg	43 kg
Dimensions (L x W x H)	600 x 290 x 615 mm	600 x 290 x 625 mm	870 x 385 x 690 mm	870 x 386 x 720 mm
Sound power level L _{WA} (dB)	96 dB(A)	96 dB(A)	96 dB(A)	97 dB(A)

Pipeline building components Ø 15-32 mm

Pipe OD	Item No.	PU
Straight screw-in coupling (brass)		
15	R1/2" OT 2150010	5
18	R3/4" OT 2150011	5
18	R1/2" OT 2150012	5
22	R3/4" OT 2150013	5
22	R1/2" OT 2150014	5
28	R1" OT 2150015	5
Straight screw-on coupling (brass)		
15	T 1/2" 2150016	5
18	T 1/2" 2150017	5
18	T 3/4" 2150018	5
22	T 1/2" 2150019	5
22	T 3/4" 2150020	5
28	T 1" 2150021	5
Straight plug-in coupling (brass)		
15	2150025	5
18	2150026	5
22	2150027	5
28	2150028	5
Angled plug-in coupling 90° (brass)		
15	2150030	5
18	2150031	5
22	2150032	5
28	2150033	5
Angled plug-in coupling 45° (brass)		
15	2150035	2
18	2150036	2
22	2150037	2
28	2150038	2
Angled screw-in plug coupling 90° (brass)		
15	R 1/2" 2150040	2
18	R 1/2" 2150041	2
22	R 3/4" 2150042	2
28	R 1" 2150043	2

- ▶ Permanently leak-tight without press-fitting
- ▶ Cost savings thanks to fast and easy installation
- ▶ Compatible with other standards-compliant pipes
- ▶ Installation also in cramped conditions
- ▶ Tightening forces well above the standards requirements
- ▶ O-rings included in scope of delivery

T coupling (brass)			
15	2150050	5	
18	2150051	5	
22	2150052	5	
28	2150053	2	
T reduction coupling (brass)			
22 x 15 x 22	2150055	5	
22 x 18 x 22	2150056	5	
28 x 22 x 22	2150057	5	
28 x 18 x 28	2150058	5	
28 x 22 x 28	2150059	2	
Sliding sleeve (brass)			
15	2150065	2	
18	2150066	2	
22	2150067	2	
28	2150068	2	
Dummy cap (brass)			
15	2150070	2	
18	2150071	2	
22	2150072	2	
28	2150073	2	
Clip removal			
15	2150080	5	
18	2150081	5	
22	2150082	5	
28	2150083	2	
Stub OD	Pipe OD	Item No.	PU
Reducing plug-in coupling (brass)			
22	18	2150060	2
28	18	2150061	2
28	22	2150062	2

AIRSTAR – Rugged compressors rugged compressors with a proven belt-drive

- ▶ Two-cylinder, high-performance grey cast motor
- ▶ Robust quality for trade applications
- ▶ Fully automatic On/Off operation
- ▶ Equipped with all safety devices
- ▶ Complete and ready to connect
- ▶ Toothed drive belt
- ▶ Quality filter pressure regulator
- ▶ Automatic CONDOR pressure switch
- ▶ 1 Premium, single-handed, quick-action coupling
- ▶ Flexible armoured hose with heat protection
- ▶ **400 Volt models:** Connection by qualified electrician
- ▶ 1 pressure gauge for vessel pressure
- ▶ 1 ball valve on vessel
- ▶ Safety valve
- ▶ Condensate drain valve
- ▶ Anti-vibration elements



- Maximum test intervals
- Produced according to TÜV data sheet AD 2000

STATIONARY MODELS OPTIONALLY ACCORDING TO AD2000 OR WITHOUT AD 2000!



AIRSTAR 703/270/10 H



AIRSTAR 703/270/10 V

Technical data	AIRSTAR 703/270/10 H	AIRSTAR 853/270/10 H	AIRSTAR 703/270/10 V	AIRSTAR 853/270/10 V
Art. No. (not AD 2000)	2028751	2028761	2028750	2028760
Art. No. (acc. to AD 2000)	–	2028763	–	2028762
Compressor system	HOS	HOS	HOS	HOS
Intake capacity approx.	650 l/min	850 l/min	650 l/min	850 l/min
Fill capacity approx.	520 l/min	680 l/min	520 l/min	680 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Vessel capacity	270 l	270 l	270 l	270 l
Cylinders/stages	2/2	2/2	2/2	2/2
Rotational speed	920 rpm	1 240 rpm	920 rpm	1 240 rpm
Motor Power	4 kW / 400 V	5.5 kW / 400 V	4 kW / 400 V	5.5 kW / 400 V
Weight	160 kg	173 kg	160 kg	173 kg
Dimensions (L x W x H)	1950 x 600 x 1250 mm	1950 x 600 x 1250 mm	720 x 720 x 1770 mm	720 x 720 x 1770 mm
Sound pressure level L _{PA} **	80 dB(A)	83 dB(A)	80 dB(A)	83 dB(A)
Air outlet	94 dB(A)	95 dB(A)	94 dB(A)	95 dB(A)

Hose revider SAR RP

- ▶ Oil-resistant hybrid polymer hose with woven insert
- ▶ Housing made of impact-proof plastic material
- ▶ The hose is arrested or automatically rolled up by pulling
- ▶ For ceiling and floor mounting



Hose revider SAR 10/15 M RP

- ▶ Oil-resistant hybrid polymer hose with woven insert
- ▶ Rugged metal housing
- ▶ The hose is arrested or automatically rolled up by pulling
- ▶ For ceiling and floor mounting



Technical data	SAR 8/10 RP	SAR 8/15 RP	SAR 10/20 RP
Art. No.	2105835	2105837	2105839
Hose inner diameter	mm	8	9.5
Hose outer diameter	mm	12	15.5
Hose length	m	10	15
Length of connecting hose	m	1	2
Operating pressure	bar	8	
Length x width x height approx.	mm	280 x 120 x 270	410 x 205 x 360
Weight approx.	kg	3.2	4.5

Technical data	SAR 10/15 M RP
Art. No.	2105833
Hose inner diameter	mm
Hose outer diameter	mm
Hose length	m
Length of connecting hose	m
Operating pressure	bar
Length x width x height approx.	mm
Weight approx.	kg

A-CUBE SD series – Directly coupled screw-type compressors for continuous duty. Ultracompact design – also available with integrated refrigeration dryer

- ▶ The entire power of the electric motor is transferred to the compressor with maximum efficiency and operational reliability
- ▶ The A-CUBE SD series is designed for continuous operation under very harsh operating conditions
- ▶ When designing the machine, not only the power consumption was taken into account, but also the maintenance and operating costs, and the ease of installation
- ▶ The A-CUBE SD series is an outstanding machine on the compressed air market, also due to the integrated refrigerant dryer that can be placed inside the compressor frame without changing the shape or dimensions
- ▶ The Rotar A-CUBE SD models are available with an output of 4 to 7.5 kW and a noise level between 63 and 68 dB(A). The entire machine is extremely quiet and compact with balanced dimensions
- ▶ An axial fan provides the optimum cooling air flow through a generously sized heat exchanger. Fan operation is thermostatically controlled by an ETMII controller that monitors the operating temperature of the compressor. All air and oil lines are made of heat-resistant rubber
- ▶ With speed control as standard
- ▶ With star-delta switch as standard as of 5.5 kW
- ▶ User-friendly safety and warning messages
- ▶ The pressure transducer allows the working pressure to be changed directly via the electronic control without the need for mechanical intervention. The current pressure and temperature are always displayed on the controller
- ▶ All internal mechanical and service parts are easily accessible for quick and easy routine maintenance



AD 2000

200 l, 270 l and 500 l
Vessel acc. to AD 2000
standard

- Maximum test intervals
- Produced according to TÜV data sheet AD 2000



A-CUBE SD 710



A-CUBE SD 1010-270 ES



A-CUBE SD 1010-500

Technical data		Art no.	Maximum pressure	Effective delivery volume	Motor Power	Rotational speed	Noise	Dimensions (L x W x H)	Connection	Vessel capacity	Weight
			bar	l/min	kW**	rpm	in dB(A)*	mm	G	l	kg
	A-CUBE SD 510	2098100	10	460	4	1,450	63	650 x 580 x 800	1/2"	–	101
BAFA	A-CUBE SD 710	2098200	10	705	5.5	2,900	68	650 x 580 x 800	1/2"	–	103
BAFA	A-CUBE SD 1010	2098300	10	1050	7.5	4,200	67	650 x 580 x 800	1/2"	–	113
	A-CUBE SD 1010 ES	2098305	10	1050	7.5	4,200	67	650 x 580 x 800	1/2"	–	113
	A-CUBE SD 510-270	2098110	10	460	4	1,450	63	1200 x 600 x 1500	1/2"	270	185
BAFA	A-CUBE SD 710-270	2098210	10	705	5.5	2,900	68	1200 x 600 x 1500	1/2"	270	187
BAFA	A-CUBE SD 1010-270	2098310	10	1050	7.5	4,200	67	1200 x 600 x 1500	1/2"	270	197
	A-CUBE SD 1010-500	2098320	10	1050	7.5	4,200	67	2000 x 600 x 1500	1/2"	500	229
	A-CUBE SD 510-270-ES	2098115	10	460	4	1,450	63	1200 x 600 x 1500	1/2"	270	209
BAFA	A-CUBE SD 710-270 ES	2098215	10	705	5.5	2,900	68	1200 x 600 x 1500	1/2"	270	211
BAFA	A-CUBE SD 1010-270 ES	2098315	10	1050	7.5	4,200	67	1200 x 600 x 1500	1/2"	270	211
BAFA	A-CUBE SD 1010-500 ES	2098325	10	1050	7.5	4,200	67	2000 x 600 x 1500	1/2"	500	279

***The Federal Ministry of Economics and Energy has transferred the "old" funding of interdisciplinary technologies into the new directive for the promotion of energy efficiency and process heat from renewable energies in industry (EEW). Under "Module 1: Interdisciplinary technologies", individual measures to increase energy efficiency will continue to be funded. Under "Module 4: Energy-related optimisation of plants and processes", the promotion of measures for the optimisation of technical systems will be continued and opened for all technologies Compressor models eligible for BAFA at time of publication of the brochure. Changes by BAFA reserved.

ISS-TTM 1/2"

- ▶ Twin Turbo Technology
- ▶ Optimised work approach thanks to head which rotates through 360° and swivels through 120°



Technical data	ISS-TTM 1/2"
Art. No.	2401370
Air consumption max.	380 l/min
Air consumption	115 l/min
Torque CCW	500 Nm
Torque CW	450 Nm
Weight	1.3 kg

ISS-TT 1/2" Mini Composite

- ▶ Twin Turbo Technology
- ▶ Extra short, compact design optimised for work in cramped conditions



Technical data		ISS-TT 1/2" Mini
Art. No.		2401372
Air consumption max.	l/min	400
Air consumption	l/min	132
Torque CCW	Nm	680
Torque CW	Nm	540
Weight	kg	1.3

ISS-TT 1/2" Composite



Technical data		ISS-TT 1/2"
Art. No.		2401374
Air consumption max.	l/min	450
Air consumption	l/min	144
Torque CCW	Nm	1350
Torque CW	Nm	950
Weight	kg	1.6

ISS-TT 3/4" Composite

- ▶ Includes handle



Technical data		ISS-TT 3/4"
Art. No.		2401376
Air consumption max.	l/min	500
Air consumption	l/min	235
Torque CCW	Nm	2170
Torque CW	Nm	1900
Weight	kg	4.6

Ratchet screwdrivers

Multi ratchet screwdriver MRS Mini PRO

- ▶ For hard to reach places
- ▶ Extra small for working in cramped conditions

Technical data	MRS Mini PRO
Art. No.	2406100
Shank	1/4"
Ø Air consumption approx.	84 l/min
Working pressure	6.3 bar
Weight	0.48 kg
Speed	400 rpm



Angle drilling machine WB Mini PRO

- ▶ Innovative 5-fin design for even more power than legacy drives
- ▶ High reliability and continuous operation
- ▶ Control lever with safety lock
- ▶ For hard to reach places
- ▶ For working in cramped conditions

Technical data	WB Mini PRO
Art. No.	2406405
average.	approx.
Air consumption	84 l/min
Working pressure	6.3 bar
Connection thread	1/4"
Rotational speed	4500 rpm
Weight approx.	0.6 kg



Angle grinder

Angle grinder WST Mini PRO

- ▶ For grinding, deburring, milling and engraving
- ▶ For a variety of chassis cleaning tasks
- ▶ Innovative 5-fin design for even more power than legacy drives
- ▶ For hard to reach places
- ▶ For working in cramped conditions

Technical data	WST Mini PRO
Art. No.	2406305
Collet	6 mm
Average air consumption approx.	84 l/min
Working pressure	6.3 bar
Idle speed	18 000 rpm
Weight approx.	0.43 kg



Polishing grinder PS Mini PRO / plate grinder TS Mini PRO – extra small

- ▶ For repair and polishing work on small surfaces and surfaces that are difficult to reach
- ▶ Particularly useful for spot repairs



Technical data	PS Mini PRO	TS MINI PRO
Art. No.	2406310	2406320
Air consumption approx.	84 l/min	84 l/min
Idle speed	16000 rpm	4500 rpm
Connection	1/4"	1/4"
Working pressure	6.3 bar	6.3 bar
Weight	0.41 kg	0.61 kg

Die grinders

Die grinder ST Mini

- ▶ For grinding, deburring, milling and engraving
- ▶ Innovative 5-fin design for even more power than legacy drives
- ▶ For hard to reach places
- ▶ For working in cramped conditions

extra small and handy



extra handy, with long design



Technical data	ST Mini PRO	ST XXL Mini PRO
Art. No.	2406300	2406302
Collet	6 mm	6.35 mm
Average air consumption approx.	approx. 84 l/min	approx. 84 l/min
Working pressure	6.3 bar	6.3 bar
Idle speed	25 000 rpm	25 000 rpm
Connection	1/4"	1/4"
Weight approx.	0.29 kg	0.6 kg

Cable reel KAR 3x1.5

- ▶ With thermal overload protection as standard
- ▶ Keeps any workshop tidy



Technical data	10 m KAR 3 x 1.5	15 m KAR 3 x 1.5
Art. No.	2161010	2161015
Cable length	m 10	15
Wire cross section	mm ² 1.5	1.5
Rated load cable rolled	W 1500	1500
Rated load cable unrolled	W 3200	3200
Assembly height	m 1.2 – 1.5	1.2 – 1.5

ADSG 15 – accumulator pressure spraying unit

- ▶ Suitable for disinfection of large areas
- ▶ Quiet pump with automatic switch-off function, no manual pressure build-up required
- ▶ Best results thanks to good spraying performance
- ▶ With practical back carrying belt for comfortable working



Model		ADSG 15
Art. No.		7350000
Delivery rate	l/h	48 – 90
Maximum supply temperature	°C	40
Tank	l	15
Sound power level	dB(A)	75
Supply voltage	V	18 DC
Battery capacity	Ah	2
Max running time	hrs.	2 – 3
High pressure hose length	m	1.7
Length x width x height	mm	344 x 241 x 486
Weight	kg	4.3



Accessories	Art. no.
Battery	7013542



Scope of delivery ADSG 15:

- › Spray gun
- › Foam gen.
- › Hose
- › Round nozzle
- › Double nozzle
- › Adjustable nozzle
- › Flat nozzle
- › Samsung rechargeable battery 2 Ah/18V DC
- › Charger 0.4A

flexCAT 18 B wet/dry vacuum – compact, handy battery vacuum

- ▶ Compact design for convenient transport and easy storage
- ▶ Washable and reusable cartridge filter HEPA F9 for wet and dry vacuuming without filter change
- ▶ Practical blower function for dirt removal where vacuuming is not possible
- ▶ Includes 2.0 Ah replaceable rechargeable battery and charger
- ▶ Holders for accessories and hose on device



Practical accessory and suction hose holders



2.0 Ah replaceable rechargeable battery allows for cable-free use with maximum freedom of movement

Technical data	flexCAT 18 B
Art. No.	7003108
Vacuum cleaner type	wet and dry
Volume of air	1500 l/min
Negative pressure	110 mbar
Tank volume	7.5 l
Tank material	Plastic
Hose diameter	35 mm
Number of motors	1
Motor cooling	Bypass
Sound pressure level	74 dB(A)
Battery voltage	18 V
Battery type	Lithium-Ion replaceable rechargeable battery
Battery capacity	2.0 Ah
Charger supply voltage	100 – 240 V
Length x width x height approx.	410 x 256 x 322 mm
Weight approx.	4.1 kg



Accessories flexCAT 18 B

HEPA cartridge filter, Art. no. 7013543

Scope of supply flexCAT 18B:

- › Hose Ø 35 mm / 0.5 m with connections
- › Charger 0.4A
- › Lithium-Ion rechargeable battery 18 V/2.0 Ah
- › HEPA F9 Cartridge filter
- › Sound absorber
- › Furniture attachment
- › Gap nozzle
- › Round attachment with brush

flexCAT 127 PD – spray extraction vacuum cleaner with dual filter

- ▶ Newly developed HEPA 14 dual filter for dry and wet vacuuming – no need to remove filter.
- ▶ Protective insert with integrated float prevents liquid from penetrating into the filter and suction motor
- ▶ Large cleaning agent tank with 3 litres for professional cleaning of hard floors and textile surfaces such as upholstery or carpets.
- ▶ Extraction accessories can be quickly changed at the plug-in coupling
- ▶ Comprehensive hardware list including spraying gun and 5m hose for cleaning large areas

3 IN 1:
WET/DRY VACUUMING
CLEANING
DISINFECTING

The perfect vacuum
cleaner for hotels
and catering!



Technical data		flexCAT 127 PD
Art. No.		7003275
Vacuum cleaner type		Wet & dry
Rating	kW	1.2
Volume of air	l/min	3583
Tank volume	l	27
Cleaning agent tank volume	l	3
Hose diameter/length	mm/m	36 / 2
Number of motors:		1 / Bypass
Sound pressure level	dB(A)	72
Electrical connection	V/Hz	230 ~50
Cleaning pump performance	l / min	0.8
Filter surface	cm ²	2750
Negative pressure	mbar	245
Cable length	m	8.5
Tank material		Plastic
Dimensions (L x W x H)	mm	380 x 380 x 650
Weight	kg	12



Scope of supply flexCAT 127 PD:

- › Suction hose 2m Ø 36 mm
- › 4 holding clips for spraying line
- › Combined floor attachment
- › Gap nozzle
- › Round nozzle
- › Furniture attachment
- › Carpet and floor cleaning nozzle
- › Upholstery cleaning attachment
- › HEPA filter
- › Spray gun incl. 5 m hose
- › Power cable 8.5 m

Caution: Do not use flammable cleaning agent!

flexCAT 262 PD – spray extraction vacuum cleaner with dual filter

- ▶ Newly developed HEPA 14 dual filter for dry and wet vacuuming, no need to remove filter.
- ▶ Protective insert with integrated float prevents liquid from penetrating into the filter and suction motor
- ▶ Large cleaning agent tank with 25 litres for professional cleaning of hard floors and textile surfaces such as upholstery or carpets.
- ▶ Extraction accessories can be quickly changed at the plug-in coupling
- ▶ Comprehensive hardware list including spraying gun and 5m hose for cleaning large areas
- ▶ Robust carriage with practical holding clips for vacuuming attachments

THREE APPLICATION OPTIONS

Technical data		flexCAT 127 PD
Art. No.		7003280
Vacuum cleaner type		Wet & dry
Rating	kW	2.4
Volume of air	l/min	7000
Tank volume	l	62
Cleaning agent tank volume	l	25
Hose diameter/length	mm/m	38 / 2.5
Number of motors:		2 / Bypass
Sound pressure level	dB(A)	74
Electrical connection	V/Hz	230 ~50
Cleaning pump performance	l / min	1.8
Filter surface	cm ²	2960
Negative pressure	mbar	245
Cable length	m	8.5
Tank material		Plastic
Dimensions (L x W x H)	mm	550 x 600 x 960
Weight	kg	21

Caution: Do not use flammable cleaning agent!



3 IN 1:
WET/DRY VACUUMING
CLEANING
DISINFECTING



Scope of supply flexCAT 262 PD:

- › Suction hose 2.5m Ø 38 mm
- › Two vacuum hoses Ø 38 mm, 50 cm each
- › Handle with loss-air control
- › Dry floor attachment
- › Wet floor attachment
- › Gap nozzle
- › Round nozzle
- › Adapter
- › Upholstery cleaning attachment
- › Carpet and floor cleaning nozzle
- › HEPA filter
- › Spray gun incl. 5 m hose



SG 36 – Hygienic steam cleaning for all hard floors

- ▶ Compact design
- ▶ Intuitive use with controllable steam regulator
- ▶ The use of high-quality stainless steel and hard-wearing components guarantee a long service life without unnecessary maintenance work
- ▶ Sophisticated attachments facilitate the cleaning of glass panes, tables, cabinets, niches or even bars and door handles
- ▶ With digital temperature display



Practical cable hooks on the rear side

Technical data		SG 36
Art. No.		7170036
Operating pressure	bar	6
Steam flow rate	g / min	~ 65 – 80
Maximum steam temperature	°C	165
Start time	min	3
Power supply	Ph/ V / Hz	1 / 230 / 50
Rating	kW	3.25
Tank volume	l	1.8
Dimensions (L x W x H)	mm	350 x 460 x 330
Weight	kg	4.5



Scope of delivery SG 36:

- ›1x 2.5 m steam hose with handle
- ›2x 0.5 m extension tube
- ›1x nozzle head
- ›1x window and/or glass nozzle
- ›1x multi-purpose brush
- ›1x triangular brush
- ›1x curved steam tube L=175
- ›1x round brush with polyester bristles
- ›1x round brush with brass bristles
- ›1x cloth

SG 58 S – Hygienic steam cleaning for all surfaces

- ▶ Constant steam temperature of at least 120°C through integrated temperature control
- ▶ Operation with distilled and normal tap water possible
- ▶ Effective cleaning with pure steam or with added cleaning agents
- ▶ Wet vacuum with HEPA filter included in scope of supply

- ▶ Residual moisture can be extracted directly during the cleaning process
- ▶ Sophisticated attachments facilitate the cleaning of glass panes, tables, cabinets, niches or even bars and door handles
- ▶ **With built-in 230V CEE connector**



Scope of delivery SG 58 S:

- ›1x 4 m steam hose with handle
- ›2x 0.5 m extension tube
- ›1x Multi-purpose floor brush
- ›1x carpet protector for multi-purpose brush
- ›1x frame with bristles and rubber scrapers for multi-purpose brush
- ›1x window and/or glass nozzle
- ›1x transparent nozzle
- ›1x large vacuum nozzle with rubber scraper
- ›1x small suction nozzle
- ›1x steam nozzle
- ›1x Round brush with polyester bristles Ø 28 mm
- ›1x Round brush with polyester bristles Ø 65 mm
- ›1x Round brush with polyester bristles Ø 40 mm
- ›1x cloth
- ›1x spray and extraction nozzle
- ›1x brush attachment for spray and extraction nozzle L=150 mm



Technical data		SG 58 S
Art. No.		7170058
Operating pressure	bar	8
Steam flow rate	g / min	80 – 95
Maximum steam temperature	°C	185
Start time	min	6
Power supply	Ph/ V / Hz	1 / 230 / 50
Suction performance	m ³ /h	175
Rating	kW	3.5
Water tank	l	5
Cleaning tank content	l	5
Waste water tank	l	13
Dimensions (L x W x H)	mm	745 x 480 x 1040
Weight	kg	32



SCWP 7514A – Immersion pump with automatic start/stop for clear water

- ▶ Ergonomic handle design
- ▶ Shallow pumping possible down to just a few mm
- ▶ Premium seals guarantee a long service life
- ▶ Automatic operation thanks to configurable float switch
- ▶ With automatic start/stop
- ▶ Integrated float switch switches pump to reflect water level
- ▶ Integrated dry running protection included

Model	SCWP 7014A
Art. No.	7520110
Max. delivery performance	233 l/min
Max. delivery height	8 m
Cable length (power)	10 m
Grain size max.	5 mm
Outlet diameter	1 1/4"
Motor Power	750 W
Electrical connection	230 V ~50 Hz



SDWP 7514A – Combined immersion pump with automatic start/stop

- ▶ Combination pump suitable for waste water and clear water thanks to adjustable feet
- ▶ Ergonomic handle design
- ▶ Premium seals guarantee a long service life
- ▶ Automatic operation thanks to configurable float switch
- ▶ With automatic start/stop
- ▶ Suitable among other things for draining garden ponds, flooded cellars, flooded building pits
- ▶ Integrated float switch switches pump to reflect water level
- ▶ Integrated dry running protection included

Technical data	SDWP 7014A
Art. No.	7520210
Max. delivery performance	233 l/min
Max. delivery height	9 m
Cable length (power)	10 m
Grain size max.	25 mm
Outlet diameter	1 1/4"
Motor Power	750 W
Electrical connection	230 V ~50 Hz



SPWP 1106A – Immersion pressure pump for clear water

- ▶ Multiple-stage impeller technology generates high water pressure
- ▶ Premium, rugged housing made of plastic and stainless steel
- ▶ Ideal for rain water systems, sprinkler operation, pumping water out of tanks, reservoirs, ponds and wells, and for other applications with a higher pressure requirement
- ▶ Integrated pressure and flow sensors allow the pump to start and stop automatically when water is tapped
- ▶ High water pressure
- ▶ Integrated dry running protection included
- ▶ Features thermal protection

Model	SPWP 1106A
Art. No.	7520305
Max. delivery performance	100 l/min
Max. delivery height	42 m
Max. immersion depth	7 m
Cable length (power)	10 m
Liquid temperature range	0 °C / +35 °C
Grain size max.	1 mm
Input/outlet diameter	1"
Motor Power	1 100 W
Electrical connection	230 V ~50 Hz
Dimensions (L x W x H)	163 x 163 x 472 mm

***Note:** Water containing salt, flammable liquids and foods must not be conveyed



Deep well pump DWP 1106A - with automatic start/stop, suitable for clear water

- ▶ Ideal for use of well water
- ▶ Integrated pressure and flow sensors allow the pump to start and stop automatically when water is tapped
- ▶ Multiple-stage impeller technology generates high water pressure
- ▶ Integrated dry running protection included
- ▶ Features thermal protection
- ▶ Premium, rugged housing made of stainless steel

Model	DWP 1106A
Art. No.	7523105
Area of application	Potable water
Delivery height max.	55 m
Delivery pressure	5.5 bar
Pump capacity	100 l/min
Input/outlet diameter	1"
Motor Power	1.1 kW
Power cable length	22 m
Electrical connection	230 V ~50 Hz
Length x width x height approx.	98 x 98 x 900 mm
Weight approx.	13.59 kg

***Note:** Water containing salt, flammable liquids and foods must not be conveyed

Running time (at 75 % load)
approx. 3 000 hours



Scrubbing vacuum cleaning machine SSM 355B – highly manoeuvrable, easy to operate and maintain – for small to medium sized areas in any industry, even those with very stubborn dirt



- ▶ Built-in battery charger: Simply charge anywhere without having to drive back to the charger
- ▶ Efficient cleaning even in heavily soiled areas due to high brush pressure
- ▶ Wide nozzle of the suction beam and powerful motor for high drying performance and immediate safe walking on floors

Easy on resources and safe

- ▶ ECO mode for quiet operation in noise-sensitive areas and extended operating time of up to two hours with reduced water and cleaning agent consumption

Economic cleaning thanks to smart functions

- › Charging at any socket
- › Intuitive operation thanks to soft touch control
- › Fast and easy pad replacement
- › Operation in ECO mode saves resources
- › Charging at any socket thanks to integrated charger



Intuitive and fast use
Daily time saving through easy to use soft-touch control



ECO MODE

- ▶ Saves water, cleaning agent and energy



Easy to service
Uncomplicated removal for routine maintenance



Thorough and inexpensive in use
Cleaning solution is delivered by a pump with constant flow. Distribution starts at the centre of the brush, thus ensuring uniform cleanliness even with low water consumption



Tilting steering bar
Can be adjusted in height and tilt to ensure comfortable operation at all times. After use it can be completely folded away to save space



Convenient grey water emptying
Grey water tank with practical carrying handle

Technical data		SSM 355B
Art. No.		7170058
Operational capacity	m ² /h	900
Working width sweeping	mm	355
Working width vacuuming	mm	440
Speed	km/h	2.5
Maximum gradient	°	2
Negative pressure	mbar	68
Noise level	dB(A)	61.4
Vibration exposure value	m/s ²	0.48
Brushes		
Disc brush diameter	mm	355
Pressure	kg	24.5
Rotational speed	rpm	140
Electrical data		
Power supply		2 batteries
Batterie type		12V AGM
Battery running time max.	h	2
Brush motor output	W	440
Vacuum pump output	W	280
Dimensions and weights		
Length x width x height approx.	mm	765 x 490 x 1110
Weight approx.	kg	73.5

Equipment level	SSM 355B
2 tank system	Yes
Fresh water tank	10 l
Water level display	Yes
Waste water tank	11 l
Waste water extraction	Yes
Vacuuming rail	curved
Automatic water and brush stop	Yes
Operating hours counter	Yes
Battery state of charge display	Yes



- Scope of delivery:**
- › Disk brush 0.6 mm
 - › 2x AGM battery 12 V
 - › On-board charger
 - › Charging cable 2 m

Non-binding special offer prices
PTO for terms of delivery

SSM 331-7.5 / SSM 331-11 – Ultra-compact scrubbing vacuum cleaning machine for professional floor cleaning

Excellent cleaning and drying results

- ▶ Brush roller with variable contact pressure for powerful cleaning and great cleaning results
- ▶ **Patented** suction system takes up the water during forward and reverse travel
- ▶ The floor is immediately walkable

Ultracompact and quiet

- ▶ Low underride height and swivel rollers at the rear: access areas under furniture and clean in cramped conditions without worries
- ▶ Very easy to store and transport in a car due to its compact size, low weight and foldable push handle
- ▶ SILENT mode: Quiet operation at only 54 dB(A) possible in noise sensitive areas

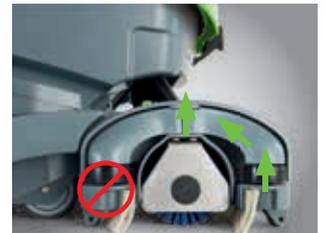
- ▶ Totally maintenance-free with longer life compared to conventional batteries
- ▶ Fast charging
- ▶ No worries intermediate or partial charging as required without memory effect
- ▶ Cable-free working without tripping hazards

Intuitive and fast use without induction training

- ▶ Easy to use soft-touch control
- ▶ Fast control of water supply and brush
- ▶ Replace brush and suction lips with ease and without tools
- ▶ Simple removal and cleaning of the water distribution strip



Thanks to its compact size and light weight (only 23 kg), the machine can easily be stowed anywhere



Extraction unit with dual, alternating extraction (**patented**). Water is taken up during **forward** and **reverse** motion



Compact size allows for cleaning that no other device can reach



Fast and easy Maintenance

Power supply via powerful Lithium battery



Intuitive and fast use
• Daily time saving through easy to use soft-touch control



Patented

Info & video



Technical data	SSM 331-7.5	SSM 331-11
Art. No.	7202030	7202031
Operational capacity	800 – 1320 m ² /h	
Working width sweeping	330 mm	330 mm
Working width vacuuming	420 mm	420 mm
Max. speed	4 km/h	4 km/h
Brush diameter	80 mm	80 mm
Brush pressure (specific)	35 – 71 – (160) kg	35 – 71 – (160) kg
Brush speed	800 rpm	800 rpm
Fresh water tank	7.5 l	11 l
Waste water tank	8 l	12 l
Charging time	120 min (5 Ah)	240 min (10 Ah)
Battery lifetime	60 min (10 Ah)	120 min (20 Ah)
Power supply	24 V 10 Ah Lithium	24 V 20 Ah Lithium
Motor Power	270 W	270 W
Dimensions (L x W x H)	640 x 450 x 422 mm	640 x 450 x 502 mm
Weight	26.5 kg	29 kg



Scope of delivery:

- ▶ Battery
- ▶ Charger
- ▶ Vacuum flaps
- ▶ Disk brush

HOLZSTAR lathes - turning machines for amateur users and professionals

- ▶ Torsion-resistant grey cast iron machine bed for smooth, precision running
- ▶ Tailstock and headstock made of stable grey cast iron
- ▶ Wide, easily adjustable turning tool support
- ▶ Headstock with quick release lever and handwheel
- ▶ Tailstock (stroke 50 mm) with travelling centre punch as standard
- ▶ Tailstock sleeve with drill hole for long workpieces
- ▶ With variable speed control and digital speed display
- ▶ The headstock rotates through 180°
- ▶ Ideal for turning larger diameters
- ▶ Swivelling spindle head can be freely moved on the machine bed
- ▶ Drive can be freely displaced on the machine bed
- ▶ Variable speed control from in two speed stages: 0-1 200 and 0-3 200 rpm



DB 1102 Vario with standard cast iron base, digital display and optional copying unit

Technical data		DB 1102 Vario
Art. No.		5921102
Max. turning Ø	mm	408
Bed height	mm	203
Max. width	mm	1067
Spindle head thread		M33 x 3.5
Rotational speeds	rpm	100 – 3200
Speed stages		Variable, 2 stages
Motor output 50 Hz	W / V	1500 / 230
Morse cone		MK 2
Dimensions	mm	1968 x 572 x 1194
Weight	kg	175

ADH series thicknessing plane – The ideal tool for DIY enthusiasts and hobbyists

- ▶ For angle joints (90°) and precise surface planing of solid wood boards, planks and slats
- ▶ Automatic workpiece feed
- ▶ Rubberised discharge roller is gentle on the surface in thicknessing operations
- ▶ Integrated, fold-down chip extraction hood
- ▶ ADH 31-4 C Convenient +45° tilting aluminium dressing stop
- ▶ Easy and precise adjustment of chip removal
- ▶ Generously dimensioned jointing table made of ribbed cast aluminium
- ▶ Large grey cast iron thicknessing table with polished surface



*ADH 31-4 C
Equipped for thickness planing*

Scope of delivery:
Strip planing knife set

Technical data	ADH 31-4 C	ADH 41-4 C
Art. No.	5904013	5904024
Dimension (L x W) planing table	1560 x 320 mm	1640 x 420 mm
Dimension (L x W) thicknessing table	750 x 307 mm	750 x 408 mm
Max. planing width	310 mm	410 mm
Working height thicknessing min./max.	5 – 220 mm	5 – 220 mm
Max. chip removal, planing	3 mm	3 mm
Max. material removal, thickness	5 mm	5 mm
Number of planing knives	4	4
Planing shaft speed	4000 rpm	4000 rpm
Motor Power	2.2 kW	3 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	1605 x 620 x 860 mm	1680 x 730 x 860 mm
Weight	292 kg	334 kg

Accessories	Art. no.
Slot mortising unit	5914005

Vertical plate saw VPS 2251 VR ED – fully equipped precision plate saw with digital dimension displays for vertical and horizontal cutting

- ▶ Scoring unit for cut quality without tear-out
- ▶ Slatted frame automatically moves out of the way
- ▶ Modular welded frame, torsion-free and self-supporting
- ▶ Digital dimension displays for vertical and horizontal cutting



▶ Horizontal cutting



▶ Vertical cutting



▶ Digital dimension display for length adjustment during vertical cutting



▶ Slatted frame automatically moves out of way to prevent saw blade cutting into rear wall slat



▶ Large opening for saw blade change



▶ Easy and quick cutting, also of smaller parts. Lower panel support with dimension display.

Scope of supply VPS 2251 VR ED

Saw blade Ø 250 x 30 x Ø 3.2 mm T80 trapeze
Scoring saw blade Ø 80 x 2.8 - 3.6 mm T20

Technical data		VPS 2251 VR ED
Art. No.		5600252
Saw blade diameter	mm	250
Scoring saw blade diameter	mm	80
Stops	St	2
Cutting height	mm	2200
Cutting length	mm	5100
Depth of cut	mm	60
Electrical data		
Drive motor output	kW	3
Supply voltage	V	400
Mains frequency	Hz	50
Dust extractor connection		
Extraction port diameter	mm	2 x 100
Extraction unit air requirement	m ³ /h	1000
Air speed	m/s	20
Dimensions and weights		
Length x width x height approx.	mm	6300 x 1800 x 300
Max. height	mm	3100
Weight approx.	kg	800
Equipment level		VPS 2251 VR ED
Lower material support		Metal rollers
Slatted frame automatically moves out of way		automatic
Vertical dimension display		Digital
Horizontal dimension display		Digital

Non-binding special offer prices
PTO for terms of delivery

CNC drilling/milling machine BFM 2460 CNC – for precision batch size on and series production

- ▶ Cross head drilling unit with four horizontal spindles and a grooving saw
- ▶ For drilling on the top and front of the panel, groove milling in X-direction and round and rectangular milling
- ▶ All machining operations in the carcass area can be carried out quickly and precisely without adjustment work.
- ▶ Workpiece clamping via pneumatic collet
- ▶ Large recess in work area also allows for through hole drilling

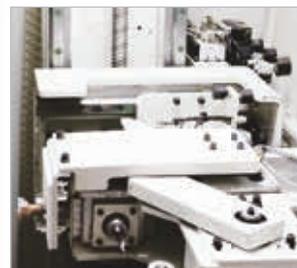
- ▶ The workpiece movements on the X, Y and Z axes direction are steered by linear prism guides
- ▶ Time and cost-saving production thanks to fast travel speeds of up to 50 m/min in X and Y direction
- ▶ Precise control of fine positioning via three rotary buttons
- ▶ Compact external dimensions
- ▶ Features automatic lubrication

CNC control

- ▶ Large 18.5 inch screen
- ▶ Fast and easy programming at the machine with pre-installed software
- ▶ Quick access to specific programs via barcode scanner included with delivery
- ▶ Programming on PC possible, import of CNC programs via USB dongle or WiFi connection



▶ All machining operations in the carcass area can be carried out quickly and precisely without adjustment work.



▶ Cross head drilling unit with four horizontal spindles



▶ Precise control of fine positioning via three rotary knobs: upper rotary knob for positioning, middle rotary knob for axis selection and lower rotary knob for setting the step sizes 1, 10 or 100



Technical data		BFM 2460 CNC
Art. No.		5480024
Max. workpiece dimensions X axis	mm	2400
Max. workpiece dimensions Y axis	mm	660
Max. workpiece dimensions Z axis	mm	36
Min. workpiece dimensions Z axis	mm	10
Max move speed X, Y axis	m/min	50
Spindle speed	rpm	4200
Grooving saw speed	rpm	3300
Electrical data		
Drive motor output	kW	3.2
Supply voltage	V	400
Phase(s)	Ph	3
Current type		AC
Mains frequency	Hz	50
Pneumatic connection		
Pneumatics operating pressure	bar	6
Compressed air requirement	l/min	40
Extraction unit connection		
Extraction duct nominal width outside	mm	100
Extraction unit air requirement	m ³ /h	800
Dimensions and weights		
Length x width x height approx.	mm	2988 x 1307 x 1832
Weight	kg	800
Equipment level		
Number of drilling spindles		4
Number of horizontal spindles X axis		2
Edge probe		Yes
Roller conveyor		Yes

Scope of delivery BFM 2460 CNC
Ø 5 x 70 mm Drill bit
Ø 8 x 70 mm Drill bit
Ø 10 x 70 mm Drill bit
Ø 35 x 70 mm Drill bit
1/2 x 6 x 22 mm Flush milling cutter
Ø 105 x 5.5 mm Grooving saw
Qwertz keyboard, cable connected
PC mouse cable connected
Barcode scanner cable connected
Operating tool



▶ Groove milling cutter at the bottom of the drilling unit



▶ Features automatic lubrication

Ambient air filtering system LFS – For very fast and continuous air cleaning

- ▶ Highly efficient filter process removes 99% of all particles > 5 µm and 91% of all fine dust particles > 1 µm
- ▶ Designed to clean the air in workshops, also suitable for showrooms and living space
- ▶ Ideal supplement to a stationary extraction

- ▶ unit without fine filter
- ▶ In larger production areas the use of several devices directly at the machine or distributed in the room is recommended

- ▶ Controllable in three stages
- ▶ Timer function for automatic switch-off
- ▶ Convenient operation via remote control
- ▶ Prefilter easy to remove and clean

Technical data		LFS 101-3	LFS 301-3
Art. No.		5127101	5127301
Max. volume flow, low level	m³/h	595	945
Max. volume flow, medium level	m³/h	680	1035
Max. volume flow, high level	m³/h	765	1675
Filter category plate filter		T 4	
Filter category internal filter		F6	
Rating	W	100	300
Supply voltage	V	230	
Max. sound pressure level	dB(A)	64	69
Length x width x height approx.	mm	505 x 430 x 260	770 x 610 x 310
Weight approx.	kg	15	25



LFS 101-3

Scope of delivery LFS 101-3:
Remote control
Transport handle
Four eyes for ceiling mounting
Four ceiling hooks
Four chains with hooks
Four rubber feet



LFS 301-3

Scope of delivery LFS 301-3:
Remote control
Four eyes for ceiling mounting
Four rubber feet

HKS 320 – Metal hand-held circular saw for workshops and building sites for cutting sandwich panels, aluminium steel and stainless steel



- ▶ The ideal machine for assembly shops, locksmiths, repair shops, trade fair constructors, etc.
- ▶ Perfect for sawing steel, sandwich panels, trapezoidal sheets, cable ducts, steel pipes and sections, ferrous and non-ferrous metals, composite materials, etc.

- ▶ Ideal for applications where angle grinders are not strong enough or cannot work cleanly
- ▶ Magnesium lightweight engineering: 8.4 kg (without saw blade)
- ▶ Easy to use



▶ Powerful 1.8 kW motor



▶ Integrated chip tilting compartment, connection for extraction unit



▶ Closed design prevents chips being projected out

Technical data	HKS 320
Art. No. SET 1	3840321SET1
Art. No. SET 2	3840321SET2
Motor output 230 V / 50 Hz	1.8 kW
Rotational speeds	1 700 rpm
Cutting range 0° □	max. 128 mm
Cutting range 45° □	–
Max. saw blade diameter	Ø 320 mm
Saw blade bore	Ø 25.4 mm
Saw blade thickness	2 mm
Dimensions (L x W x H)	500 x 342 x 355 mm
Weight	8.4 kg

Scope of delivery HKS 320 SET1
HKS 320
Saw blade 320 x 25.4mm
Steel T48

Scope of delivery HKS 320 SET2
HKS 320
Saw blade 320 x 25.4mm
Steel T48
Guide rail 1400 mm
2 quick coupling clamps
For guide rail

ACCESSORIES		Saw blades				
Accessories	Art. no.	Ø in mm	Blade thickness	Teeth	Art. no.	
Guide rail 1400 mm	3850030	230 x 25.4	2.2 mm	84	3853203	
Connector for guide rail	3850031	230 x 25.4	2.2 mm	80	3853204	
Quick coupling clamp for guide rail	3850032					

Metal belt grinder MBSM 100-140 – for grinding surfaces, edges, and for rounding

- ▶ Powerful motors and vibration-free action for best grinding results
- ▶ Grinding belt changed within seconds thanks to quick-release system
- ▶ Automatic re-tensioning of the grinding belt thanks to spring-supported belt tensioning system
- ▶ Large surface grinding area as upper grinding belt cover can be folded away
- ▶ Easy adjustment of belt action thanks to adjustment screw
- ▶ Continuous planing surface after removing attachment parts - allows for grinding of long workpieces
- ▶ Usable with or without extraction unit
- ▶ With one extraction port each on the spark box and rear idler
- ▶ Protective screen folds away
- ▶ Can be used as benchtop model and as upright model with optional substructure
- ▶ Model MBSM 100-140-2 with two belt speeds - for grinding steel and stainless steel



MBSM 100-140-2
Shown with an optional machine base



▶ Model MBSM 100-140-2
with two belt speeds



▶ Simple belt tracking
adjustment

Scope of delivery:

- ▶ 1 Substructure
- ▶ 1 sanding belt 80 grain
- ▶ Operating tool

Technical data		MBSM 100-140-1 230 V	MBSM 100-140-2 400 V
Art. No.		3923141SET	3923142SET
Graphite support length x width	mm	285 x 100	285 x 100
Max. sanding width	mm	100	100
Sanding belt length x width	mm	1220 x 100	1220 x 100
Circumferential belt speed	m/s	20	10 / 20
Drive wheel Ø	mm	140	140
Contact wheel Ø x width	mm	127 x 100	127 x 100
Extraction duct nominal width outside	mm	2 x 75	2 x 75
Emission sound pressure level Lp	dB(A)	87	87
Electrical data			
Drive motor output	kW	1.5	1 / 1.5
Supply voltage	V	230	400
Phase(s)	Ph	1	3
Mains frequency	Hz	50	50
Dimensions and weights			
Length x width x height approx.	mm	640 x 450 x 420	640 x 450 x 420
Weight approx.	kg	39	39

Accessories MBSM 100-140	Art. no.	PQ
Substructure	3924010	1
Contact wheel	3924020	1
Graphite support	3924025	1
Grinding belts 100 x 1 220 mm		
40 grain	3726040	10
60 grain	3726060	10
80 grain	3726080	10
120 grain	3726120	10
Standard set 100 x 1220		
3726000		1
comprising: 3x K40, 4x K80, 3x K120		
Grinding belts 100 x 1 220 mm for extreme spot load		
40 grain	3727040	10
60 grain	3727060	10
80 grain	3727080	10
100 grain	3727120	10
Woven fabric set 100 x 1 220		
3726001		1
comprising: 3x K40, 4x K80, 3x K120		

Metal belt grinder MBSM 240 – For grinding surfaces, edges, and for rounding

- ▶ Powerful motors and vibration-free action for best grinding results
- ▶ Grinding belt changed within seconds thanks to quick-release system
- ▶ Large surface grinding area as upper grinding belt cover can be folded away
- ▶ Continuous planing surface after removing attachment parts - allows for grinding of long workpieces
- ▶ Usable with or without extraction unit
- ▶ With one extraction port each on the spark box and rear idler
- ▶ Easy adjustment of belt action thanks to adjustment screw
- ▶ Automatic re-tensioning of the grinding belt thanks to spring-supported belt tensioning system
- ▶ Continuously variable grinding unit
- ▶ Protective screen folds away
- ▶ Models MBSM 75-240-2 and 150-240-2 with two belt speeds - for grinding steel and stainless steel



▶ Simple belt tracking adjustment

MBSM 150-240-2 400 V

Scope of delivery:

- > Machine mobile base
- > 1 sanding belt 80 grain
- > Operating tool

Technical data		MBSM 75-240-1 230 V	MBSM 75-240-1 400 V	MBSM 75-240-2 400 V	MBSM 150-240-2 400 V
Art. No.		3923271	3923272	3923273	3923315
Max. sanding width	mm	75	75	75	150
Sanding belt length x width	mm	2000 x 75	2000 x 75	2000 x 75	2000 x 150
Circumferential belt speed	m/s	36	36	18 / 36	18 / 36
Drive wheel Ø	mm	240	240	240	240
Contact wheel Ø x width	mm	200 x 75	200 x 75	200 x 75	200 x 150
Graphite support length x width	mm	495 x 75	495 x 75	495 x 75	495 x 150
Extraction duct nominal width outside	mm	2 x 100	2 x 100	2 x 100	2 x 100
Emission sound pressure level Lp	dB(A)	87	87	87	87
Electrical data					
Drive motor output	kW	3.3	4	3 / 4	3 / 4
Supply voltage	V	230	400	400	400
Phase(s)/current type/grid frequency	Ph / Hz	1 / 50	3 / 50	3 / 50	3 / 50
Dimensions and weights					
Length x width x height approx.	mm	1000 x 500 x 1150	1000 x 500 x 1150	1000 x 500 x 1150	1000 x 570 x 1150
Weight approx.	kg	82	82	82	98

Accessories MBSM 75-240	Art. no.	PQ
Contact wheel	3924022	1
Graphite support	3924027	1

Grinding belts 75 x 2 000 mm		
40 grain	3722004	10
60 grain	3722006	10
80 grain	3722008	10
120 grain	3722009	10

Standard set 75 x 2000 3722000 1

consisting of: 3x 40 grain, 4x 80 grain, 3x 120 grain

Grinding belts 75 x 2 000 mm for extreme spot load		
24 grain	3722022	10
36 grain	3722023	10
40 grain	3722024	10
60 grain	3722026	10

Woven fabric set 75 x 2 000 3722001 1

consisting of: 4x 24 grain, 3x 40 grain, 3x 60 grain

Grinding belts 150 x 2 000 mm		
40 grain	3722014	10
60 grain	3722016	10
80 grain	3722018	10
120 grain	3722019	10

Standard set 150 x 2000 3722010 1

consisting of: 3x 40 grain, 4x 80 grain, 3x 120 grain

Grinding belts 150 x 2 000 mm for extreme spot load		
24 grain	3723022	10
36 grain	3723023	10
40 grain	3723024	10
50 grain	3723025	10
60 grain	3723026	10

Woven fabric set 150 x 2 000 3722011 1

consisting of: 4x 24 grain, 3x 40 grain, 3x 60 grain

NC-controlled flat grinding machine FSM PRO – with touch control, for flat grinding, plunge grinding and cross grinding

Standard equipment

- ▶ 10" touchscreen NC control G1 for Y and Z axis
- ▶ Grinding modes: flat grinding, plunge grinding and cross grinding
- ▶ Spindle bearing class P4 by NSK guarantees concentricity of 0.002 mm
- ▶ Electro-magnetic fine pole clamping plate including automatic degaussing function
- ▶ Solid and stress-relieved machine body made of honeycomb-ribbed grey cast iron
- ▶ Robust V-flat guide with Turcite-B coating in the X and Z axis for grinding heavy workpieces
- ▶ Backlash-free ball screws in the Y and Z axis
- ▶ NC controlled parallel dressing and equalising unit above machine table
- ▶ Coolant system with magnetic separator
- ▶ Partial encapsulation of the work table with monitored door
- ▶ Stepless speed of the grinding spindle through inverter
- ▶ Automatic, hydraulic X axis feed

- ▶ Stepless adjustment of the X-axis speed via hydraulic control valve
- ▶ Automatic, motorised Z-axis feed driven by servo motor
- ▶ Adjustment of the end positions in X and Z axis via joystick
- ▶ Automatic, motorised Y-axis feed driven by servo motor
- ▶ Electronic hand wheel for Y and Z axis
- ▶ Automatic central lubrication of all axes/ guides

Optional special equipment

- ▶ NC-controlled parallel dressing and equalising unit
- ▶ Automatic balancing device
- ▶ Full encapsulation of the grinding area with two sliding doors
- ▶ Additional grinding wheel flange
- ▶ Increased motor outputs



FSM 4080 PRO

Figure shows optional NC controlled parallel dressing and equalising unit on grinding head

Standard equipment

- > Electromagnetic fine pole clamping plate
- > Automatic degaussing
- > NC-dressing unit above the machine table
- > Automatic adjustment of cross feed
- > Coolant system with magnetic separator
- > LED work lamp
- > Semi-closed splash guard

Scope of delivery:

- > Balancing stand
- > Operating tool

Technical data		FSM 2550 PRO	FSM 3060 PRO	FSM 4080 PRO
Art. No.		3940255	3940306	3940408
Size of clamping plate	mm	500 x 250	600 x 300	800 x 400
X axis travel	mm	550	650	860
Z axis travel	mm	270	350	450
Traversing speed of table	m/min	5 – 25	5 – 25	5 – 25
Max. workpiece weight	kg	190	215	250
Spindle speed	rpm	2900	1450	1450
Grinding disc (Ø x width x bore hole)	mm	205 x 19 x 31.75	355 x 38 x 127	405 x 50 x 127
Spindle motor output	kW	1.5	3.75	3.75
Hydraulic pump motor output	kW	0.75	0.75	1.5
Electrical connection	V/Hz	400 / 50	400 / 50	400 / 50
Length x width x height approx.	mm	2680 x 2350 x 2460	3000 x 2500 x 2460	3600 x 2650 x 2560
Weight approx.	kg	2000	2500	3700

MMSM 150-2 – Manual grinding machine for deburring and cleaning cut parts

- ▶ Operation via control arm
- ▶ Especially suitable for quick and easy processing of individual parts with different shapes and material thicknesses
- ▶ Simple fixing of the workpieces on the vacuum clamping table
- ▶ Working head equipped with two tools which can be changed during machining simply by swivelling the head through 180° (e.g., grinding wheel and brush)



Operation via swivel arm

Technical data		MMSM 150-2
Art. No.		4401100
Work table length x width	mm	800 x 1300
Table load max.	kg	100
Grinding disc diameter	mm	150
min./max. workpiece height	mm	0.5 - 150
Drive motor output	kW	1.5
Electrical connection	V/Hz	400 / 50
Length x width x height approx.	mm	1310 x 900 x 2100
Weight approx.	kg	320

Experience our capability and request individual advice!

Contact: +49 (0951) 96 555-504
beratung@metalkraft.de



DBM 300 Series – Grinding machine for deburring and surface finishing

- ▶ Specially suited for narrow workpieces
- ▶ Manual height adjustment of worktable with numerical display
- ▶ Feed table with profile conveyor for optimum hold during machining
- ▶ **DBM 300 W RR:** With wet cooling for effective heat reduction for small parts or for machining at low feed rates
- ▶ Cooling water cleaned by external filter



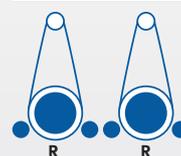
DBM 300 RR



DBM 300 W RR

Technical data		DBM 300 RR	DBM 300 W RR
Art. No.		4401100	4401100
Work table length x width	mm	942 x 333	1130 x 350
Table load max.	kg	80	80
Circumferential belt speed unit R	m/s	16	16
Table height min./max.	mm	780 x 950	780 x 950
Grinding belt length x width	mm	1900 x 320	1900 x 320
min./max. workpiece height	mm	0.5 - 170	0.5 - 170
Drive motor output	kW	8.5	7
Electrical connection	V/Hz	400 / 50	400 / 50
Length x width x height approx.	mm	1450 x 860 x 2100	160 x 1600 x 2100
Weight approx.	kg	540	750

Version RR



Equipment code

R Grinding belt unit

MBBS 610-11 R / MBBS 1100-12 R – Wide belt grinding machine for blank grinding

- ▶ Motorised height adjustment of work table
- ▶ Conveyor table with profile conveyor for optimum hold during machining
- ▶ Material thickness adjustment via joystick and digital display
- ▶ Continuously variable belt speed control



MBBS 1100-12 R

Version R



Equipment code

R Grinding belt unit

Technical data		MBBS 610-11 R	MBBS 1100-12 R
Art. No.		4403100	4403105
Work table length x width	mm	886 x 725	1193 x 1060
Table load max.	kg	100	150
Circumferential belt speed unit R	m/s	18	18
Table height min./max.	mm	780 - 950	780 - 950
Grinding belt length x width	mm	1524 x 635	1524 x 1120
min./max. workpiece height	mm	0.5 - 170	0.5 - 170
Drive motor output	kW	6	12.5
Electrical connection	V/Hz	400 / 3	400 / 3
Length x width x height approx.	mm	1100 x 1100 x 1900	1700 x 1400 x 1900
Weight approx.	kg	520	740

MBBS 1350-17 RX / MBBS 1350-17 RXR – Wide belt grinding machine for deburring and blank grinding

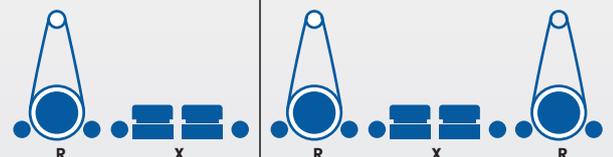
- ▶ For deburring flat parts, e.g., after plasma cutting or punching
- ▶ Large working width of up to 1300 mm
- ▶ Conveyor table with profile conveyor for optimum hold during machining
- ▶ Variants available RX and RXR
- ▶ Optional operation via touchscreen



MBBS 1350-17 RXR

Version RX

Version RXR



Equipment code

R Grinding belt unit
X Grinding brush unit for horizontal processing

Technical data		MBBS 1350-17 RX	MBBS 1350-17 RXR
Art. No.		4403500	4403505
Work table width	mm	1400	1400
Table load max.	kg	150	150
Circumferential belt speed unit R	m/s	18	18
Circumferential belt speed unit X	m/s	10	10
Table height min./max.	mm	780 - 950	780 - 950
Grinding belt length x width	mm	2220 x 1370	2220 x 1370
min./max. workpiece height	mm	0.5 - 170	0.5 - 170
Drive motor output	kW	17	29
Electrical connection	V/Hz	400 / 50	400 / 50
Length x width x height approx.	mm	1850 x 1800 x 2200	2100 x 1800 x 2200
Weight approx.	kg	1500	2000

MBBS 650-17 RX / MBBS 650-17 RXR / MBBS 650-17 W RR – Wide belt machine for surface finishing

- ▶ Motorised height adjustment of work table
- ▶ Conveyor table with profile conveyor for optimum hold during machining
- ▶ **Optional:** Operation via touchscreen

With wet cooling for effective heat reduction for small parts or for machining at low feed rates

- ▶ Equipped with part dryer to avoid corrosion and ensure fast downstream processing
- ▶ Cooling water cleaned by external filter

MBBS 650-17 W RR:

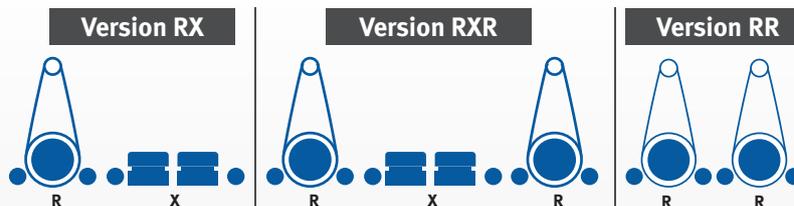


MBBS 650-17 RX



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beratung@metalkraft.de



Equipment code

R	Grinding belt unit
X	Grinding brush unit for horizontal processing
W	For wet grinding

Technical data		MBBS 650-17 RX	MBBS 650-17 RXR	MBBS 650-17 W RR
Art. No.		4403200	4403205	4403210
Work table width	mm	690	690	690
Table load max.	kg	100	100	100
Circumferential belt speed unit R	m/s	18	18	18
Circumferential belt speed unit X	m/s	10	10	-
Table height min./max.	mm	780 - 950	780 - 950	780 - 950
Grinding belt length x width	mm	2200 x 670	2200 x 670	2200 x 670
min./max. workpiece height	mm	0.5 - 170	0.5 - 170	0.5 - 170
Drive motor output	kW	10	18	13
Electrical connection	V/Hz	400 / 50	400 / 50	400 / 50
Length x width x height approx.	mm	1750 x 1050 x 2200	2100 x 1050 x 2200	1500 x 1150 x 2400
Weight approx.	kg	1000	1200	1200



MBBS 650-17 RX

MBBS 650-16 RCC / MBBS 650-16 DCC – Grinding machine for deburring and edge rounding

- ▶ **RCC:** For deburring and edge rounding of workpieces after laser cutting or punching
- ▶ **DCC:** For deburring and edge rounding of workpieces after plasma cutting or torch cutting
- ▶ **C** = Equipped with steel wire brushes or block brush unit
- ▶ Ideal for removing slag and large burrs
- ▶ Conveyor table with profile conveyor for optimum hold during machining
- ▶ Optional operation via touchscreen



Equipment code

R	Grinding belt unit
C	Block brush unit/steel wire brush unit
D	Grinding drum unit

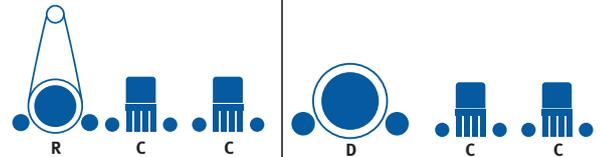
Technical data		MBBS 650-16 RCC	MBBS 650-16 DCC
Art. No.		4403300	4403305
Work table length x width	mm	700	700
Table load max.	kg	100	100
Circumferential belt speed unit R	m/s	18	18
Table height min./max.	mm	780 x 950	780 x 950
Grinding belt length x width	mm	1500 x 680	2200 x 670
min./max. workpiece height	mm	0.5 - 170	0.5 - 170
Drive motor output	kW	12	14
Electrical connection	V/Hz	400 / 50	400 / 50
Length x width x height approx.	mm	1500 x 1500 x 2130	1500 x 1500 x 2130
Weight approx.	kg	1350	2000



Version RCC

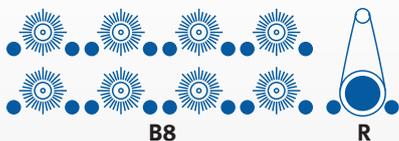


Version DCC



MBBS 1350-14 RB8 – Industrial wide belt grinding machine for surface finishing

- ▶ For deburring flat parts, e.g., after plasma cutting or punching
- ▶ Conveyor table with profile conveyor for optimum hold during machining
- ▶ Large working width of 1100 mm
- ▶ Continuously adjustable conveyor belt speed



Equipment code

R	Grinding belt unit
B8	Grinding brush unit for vertical processing

Technical data		MBBS 1350-14 RB8
Art. No.		4403400
Work table width	mm	1400
Table load max.	kg	150
Circumferential belt speed unit R	m/s	18
Table height min./max.	mm	780 - 950
Grinding belt length x width	mm	2220 x 1370
min./max. workpiece height	mm	0.5 - 170
Drive motor output	kW	16
Electrical connection	V/Hz	400 / 50
Length x width x height approx.	mm	4200 X 2210 X 2200
Weight approx.	kg	4200



Application example

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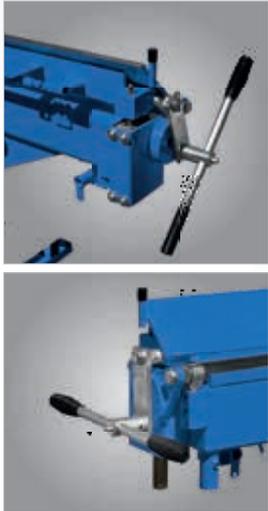


Non-binding special offer prices
PTO for terms of delivery

HSBM Series – Manual swivel bending machine with optional, removable roller shears, bending and cutting with a single machine



- ▶ Rugged, versatile and mobile
- ▶ Ideal for roofers and plumbers on site, e.g. for creating bay window panelling, flashings or chimney claddings
- ▶ The removable roller shears allow for precise cutting of aluminium, copper and zinc sheet
- ▶ Simple design and rugged manufacture guarantee precise work
- ▶ Safe clamping of the workpiece via lever
- ▶ Swivel bending operation via bow handle
- ▶ Equipped with transport rollers and parking brakes



HSBM 2160-1.0

Comprehensive accessories on request!



Fig. shows accessories

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beratung@metalkraft.de



Technical data		HSBM 2160-1.0	HSBM 2660-0.8	HSBM 3160-0.7
Art. No.		3775021	3775026	3775031
Max. working width	mm	2,160	2,660	3,160
Max. sheet thickness steel 400 N/mm ²	mm	1.0	0.8	0.7
Max. sheet thickness stainless steel	mm	0.8	0.65	0.65
Max. sheet thickness aluminium	mm	2.0	1.5	1.5
Max. sheet thickness, copper	mm	2.0	1.25	1.25
Weight	kg	244	304	415
Length x width x height	mm	2 500 x 660 x 1 000	2 950 x 660 x 1 000	3,550 x 660 x 1,000

HSBM Series – Manual swivel bending machine with optional, removable roller shears, bending and cutting with a single machine



- ▶ Rugged, versatile and mobile
- ▶ Heavy-duty, rugged design for precise processing
- ▶ Simple design and rugged manufacture guarantee precise work
- ▶ Safe clamping of the workpiece via lever
- ▶ Swivel bending operation via bow handle



HSBM 6050-0.8
Fig. shows optional roller shears



- ▶ Optional roller shears support precise cutting of aluminium, copper and zinc sheet

Technical data		HSBM 4050-0.8	HSBM 6050-0.8
Art. No.		3775040	3775060
Max. working width	mm	4,050	6,050
Max. sheet thickness steel 400 N/mm ²	mm	0.8	0.8
Max. sheet thickness aluminium	mm	1.2	1.2
Max. sheet thickness, copper	mm	1.0	1.0
Max. bending angle	°	135	135
Sheet infeed length	mm	900	
Weight	kg	950	1450
Length x width x height	mm	4,200 x 1,350 x 1,320	6,200 x 1,350 x 1,320



HSBM 4050-0.8
Fig. shows optional roller shears

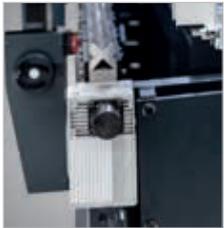
CNC-controlled, hydraulic press brake GBP PLUS – with 4 controlled axes, motorised crowning and manual quick clamping of upper tools

Standard type

- ▶ Graphical 2D CNC control DELEM DA-58T with offline software TL
- ▶ Two linear dimension encoders (GIVI) on press beam to check the desired position
- ▶ High-quality, premium linear dimension encoders with an accuracy of 0.01 mm
- ▶ CNC-controlled rear stop with two rear stop fingers
- ▶ Linear-guided X axis, driven by servo motor via play-free ball screws
- ▶ Linear-guided R axis, driven by servo motor via play-free ball screws
- ▶ Rear stop fingers laterally manually adjustable on double linear guides
- ▶ Safety laser Fiessler AKAS LC-II M with FMSC press safety control

- ▶ CNC-controlled, motorised WILA crowning unit to compensate spring reaction
- ▶ Manual clamping of top tool (removal from side), Promecam/Amada system
- ▶ Rehfuß top tool (Promecam/Amada), height 105 mm (3 x 835 mm / 1 x 805 sectioned)
- ▶ Multi-V dye, height 60 mm, V openings 16/22/35/50mm (3 x 835mm / 1 x 805 sectioned)
- ▶ Mobile foot control unit (BERNSTEIN) with emergency stop function and safety cable
- ▶ Two quickly adjustable front support arms on linear guides

- ▶ Monitoring of relative position between the cylinders during bending
- ▶ Direct programming of bending angle via control
- ▶ Hydraulic components by HOERBIGER (valves) and KCL Hydraulic (pumps)
- ▶ Electrical components by Schneider and Mitsubishi Electric
- ▶ Hydraulic system protected by pressure relief valve
- ▶ Side doors easy to open and monitored by safety switch
- ▶ Rear space safeguarded by light barrier system from REER Italy
- ▶ Workspace lighting via LED strip in press beam cover



▶ CNC-controlled, motorised crowning



▶ The ball screw driven X axis is borne by double linear guides



Fig. shows Delem DA-66T option

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PERSONAL QUOTATION!**

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Technical data		1260	2060	25100	30100	30135	30175	30220	30320	37175	37220	40175	40220	40320	40400	60220	60320	60400	60600
Bending length	mm	1250	2070	2505	3150	3150	3150	3150	3100	3700	3700	4100	4100	4100	4100	6100	6100	6100	6100
Press force	T	60	65	100	100	135	175	220	320	175	220	175	220	320	400	220	320	400	600
Stroke	mm	200	200	250	250	250	250	275	350	250	275	250	275	350	350	275	350	350	350
Stand passageway	mm	1050	1670	2100	2600	2600	2600	2600	2600	3100	3100	3600	3600	3600	3600	5600	5600	5600	5100
Installation height	mm	380	380	445	445	455	525	630	455	455	525	455	525	630	630	525	630	630	630
Table height	mm	930	930	930	930	930	930	930	930	930	930	930	930	930	960	1020	960	960	1020
Table width	mm	60	60	60	60	60	60	90	90	60	90	60	90	90	90	90	90	90	320
Rapid traverse	mm/s	120	140	160	160	160	160	140	120	160	140	160	140	120	120	120	120	120	100
Bending speed	mm/s	1-10	1-10	1-10	1-10	1-10	1-10	1-10	1-9	1-10	1-10	1-10	1-10	1-9	1-9	10	1-9	1-9	1-9
Retraction	mm/s	140	140	100	100	100	100	100	90	100	100	100	100	90	80	100	90	80	100
Throat depth	mm	300	300	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
X axis stroke	mm	5 - 650				5 - 750													
X axis speed	mm/s	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
R axis stroke	mm	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
R axis speed	mm/s	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Drive motor output	kW	7.5		11		15		18.5	22	15	18.5	15	18.5	22	30	18.5	22	30	45
Supply voltage	V	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Number of support brackets	St	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4
Rear stop finger	St	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4
Oil tank capacity	l	110	110	232	232	232	232	307	360	232	307	232	307	360	500	307	360	500	600
Length approx.	mm	2650	3550	3800	4200	4200	4250	4250	4400	4950	4950	5250	5250	5400	5750	7500	7500	7500	7500
Width/depth approx.	mm	1600	1600	1800	1800	1800	1950	2000	2200	1950	2000	1950	2150	2340	2470	2000	2400	2500	2650
Height approx.	mm	2550	2550	2900	2900	2900	3100	3150	3630	3100	3150	3100	3450	3550	3750	3810	4020	4050	4400
Weight approx.	kg	4500	5300	8500	9000	10400	13000	15600	21000	14800	17900	15400	18500	25000	34000	25500	41000	48000	60000

Easy-Mag 353-4S – MIG/MAG entry level unit

- ▶ Low-budget shield gas welding equipment for car repairs, hobbyists and semi-professionals
- ▶ For steel and stainless steel welding
- ▶ Easy to use and set up
- ▶ The soft and stable arc guarantees low-spatter welding results
- ▶ Continuously variable wire feed
- ▶ Robust chassis with steering rollers for easy transport (chassis for self-assembly)
- ▶ Practical gas cylinder holder
- ▶ S mark: approved for welding in cramped welding conditions with an increased risk of electrical hazard

The process

- ▶ MIG/MAG

Base materials

- ▶ Construction steels
- ▶ Duplex steels
- ▶ CrNi steels ferritic/austenitic

Typical applications

- ▶ Body repairs/maintenance
- ▶ Agriculture
- ▶ Tack welding



Technical data	EASY-MAG 353-4S
Art. No.	1081353
Power supply	400 V
Slow-blow fuse	25 A
Adjusting range	30 – 350 A
Duty cycle I _{max} at 40° C	60%
Duty cycle (DC) 40°C 100%	260 A
Open circuit voltage	15.8 – 35.8 V
Switching stages	21 (3 x 7)
Cooling type	Fan
Wire Ø	0.8 – 1.2 mm
Degree of protection	IP 21
Insulation class	H
Dimensions (L x W x H)	935 x 550 x 1 240 mm
Weight	138 kg
Torch	SMB 36 / 4m
Standards	EN 60 974-1;-3;-10 / S mark / EMC - class A



Contents of package EASY-MAG 353-4S

- EASY-MAG 353-4S
- Basket spool adapter
- Feed rollers 1.0 to 1.2 mm
- Gas hose 1.5 m
- Intermediate hose pack 5 m
- incl. torch set SMB 36 (torch 4m, ground cable 4m, pressure regulator)

VarioProtect XXL-W-2 TC

VarioProtect[®]
TRUE COLOR
DISPLAY



VarioProtect XXL-W F-TC

VarioProtect[®]
TRUE COLOR
DISPLAY



VarioProtect PANORAMA-W TC

VarioProtect[®]
TRUE COLOR
DISPLAY



*Top marks
Classification
1/1/1/1

Technical data	VarioProtect XXL-W-2 TC	VarioProtect XXL-W F-TC	VarioProtect PANORAMA-W TC
Art. No.	1654025	1654100	1651010
View window	100 x 73 mm	100 x 65 mm	113 x 85 mm / 80 x 68 mm
Cassette dimensions	133 x 122 x 8 mm	133 x 122 x 8 mm	118 x 89.2 mm
Power supply		Solar cells + replaceable battery	
On/Off		Fully automatic	
UV/IR protection		Protection class 16 (permanent)	
Protection levels	DIN 4-13	DIN 4-13	DIN 4-8/8-12
Light shade level	Protection level 4	Protection level 4	Protection level 3
Class	1/1/1/1**	1/1/1/1*	1/1/1/1*
Transition response time	0.3 ms	0.3 ms	0.1 ms
Material	Polyamide	Polyamide	Nylon
Overall weight	430 g	750 g	610 g

Syn-Mig i SC digital series – portable MIG/MAG inverters continuously variable control. Universally deployable workshop machine for steel, stainless steel and aluminium



- ▶ **With LCD display for easier operation**
- ▶ State-of-the-art and proven inverter technology
- ▶ The systems have the following **properties or equipment as standard:**
- ▶ 2-cycle/4-cycle, spot and interval welding
- ▶ Gas test function
- ▶ Operation indicator
- ▶ Overload indicator
- ▶ Temperature controlled fan
- ▶ The Synergie function continuously adjusts the material thickness and power, and the wire adapts to this

Totally easy setting thanks to Synergie function: 3 steps for welding:

- ▶ **1st step:** Gas, material, diameter
- ▶ **2nd step:** 2/4 cycle, spot, interval
- ▶ **3rd step:** Adjust material thickness

▶ Granular setting thanks to continuous control. Your benefits: Perfect results, fast



The process

- ▶ MAG
- ▶ MIG

Sheet thicknesses

- ▶ From 0.8 mm in steel and stainless steel (MAG)
- ▶ From 2 mm in aluminium (MIG)

Base materials

- ▶ Construction steels
- ▶ Non alloy and low alloy materials
- ▶ CrNi steels ferritic/austenitic
- ▶ Aluminium alloys

Typical applications

- ▶ Metalworking, mechanical engineering, steel construction
- ▶ Agriculture, vehicle workshops
- ▶ Maintenance/repairs

Technical data		SYN-MIG 253i SC digital 1089125SET	SYN-MIG 303i SC digital 1089130SET	SYN-MIG 403i SC digital 1089140SET
Art. No.		1089125SET	1089130SET	1089140SET
Continuously adjustable MIG/MAG setting range	A	25 – 250	25 – 300	40 – 400
Continuously adjustable electrode setting range	A	25 – 200	25 – 200	30 – 250
Duty cycle at I _{max} and 40 °C	%	60	40	40
Welding current at DC = 60% and 40 °C	A	250	250	350
Welding current at DC = 100% and 40 °C	A	200	200	250
Current consumption	A	12	15	25
Power consumption MIG/MAG	kW	7.5	10.0	13.0
Electrode power consumption	kW	7.5	7.5	13.0
Wire Ø steel/special steel	mm	0.8 – 1.2	0.8 – 1.2	0.8 – 1.2
Wire Ø aluminium	mm	1.0 – 1.2	1.0 – 1.2	1.0 – 1.2
Wire feed speed	m/min	1 - 22	1 - 22	1 - 22
Wire feed rolls/driven		4 / 4	4 / 4	4 / 4
Supply voltage AC	V / Ph	400 / 3	400 / 3	400 / 3
Fuses slow-blow	A	16	16	25
Open circuit voltage	V	55	55	63
Power factor	cos phi	0.95	0.95	0.95
Required generator output	kVA	16	20	28
Degree of protection		IP 21	IP 21	IP 21
Dimensions (L x W x H)		835 x 510 x 720	835 x 510 x 720	835 x 510 x 720
Weight	kg	29.5	31	33

Contents of package

SYN-MIG 253i SC digital SET:

- VarioProtect XXL W welder's helmet
- Power cable 5m with 5-pin plug 32A
- Earth cable 4 m, 35 mm²
- Basket spool adapter
- Pressure regulator (large)
- Torch SMB 25/3 m
- Feed rollers 0.8 to 1.0 mm

Contents of package

SYN-MIG 303i SC digital SET:

- VarioProtect XXL W welder's helmet
- Power cable 5m with 5-pin plug 32A
- Earth cable 4 m, 35 mm²
- Basket spool adapter
- Pressure regulator (large)
- Torch SMB 36/3 m
- Feed rollers 0.8 to 1.0 mm

Contents of package

SYN-MIG 403i SC digital SET:

- VarioProtect XXL W welder's helmet
- Power cable 5m with 5-pin plug 32A
- Earth cable 4 m, 50 mm²
- Basket spool adapter
- Pressure regulator (large)
- Torch SMB 36/4 m
- Feed rollers 1.0 to 1.2 mm

Pulse gas welding device *CRAFTMIG* Pulse – state-of-the-art MIG welding device for professional use

- ▶ Pulse function: Far less rework due to low-spatter welding
- ▶ Best welding results due to reliable ignition and stable electric arc
- ▶ Suitable for operation with power generator
- ▶ Synergie function: Preselect the wire Ø, material and gas for automatic calculation of the voltage and wire feed rate
- ▶ Precise setting of the correct welding parameters via digital display with job memory
- ▶ The low-noise fans capably dissipate the heat from the devices thus ensuring a high duty cycle
- ▶ Arc force control: internal monitoring of the welding current and welding voltage reliably and safely resolves short-circuits. This stabilises the arc, and the electrode can be processed without any problems
- ▶ CRAFT-MIG 201P Pulse equipped with PFC (power factor correction) PFC for best possible use also when connected to cable drums
- ▶ Craft-MIG 253 Pulse optionally with liquid cooling

MIG/MAG



CRAFT-MIG 201P Pulse



CRAFT-MIG 253 Pulse

Adjusting range		CRAFT-MIG 201P Pulse	CRAFT-MIG 253 Pulse
Art. No.		1072201SET	1072253SET
MIG/MAG	A	40 – 200	15 – 250
Electrode	A	10 – 200	10 – 250
TIG DC	A	10 – 200	10 – 250
Duty cycle at max. current 40°C	%	40	60
Duty cycle current at 100% duty cycle 40°C	A	130	195
Wire feeder	Role	1	
Wire feed speed	m/min	1.5 – 24	
Open circuit voltage	V	Electrode: 94.4 TIG: 92.2 MIG/MAG: 84.5	Electrode: 93.8 TIG: 93.4 MIG/MAG: 77
Power factor	cos phi	0.99	0.7
Degree of efficiency	%	82.22	85.13
Supply voltage	V Ph	110/230 1	400 3
Mains frequency	Hz	50/60	
Length x width x height approx.	mm	580 x 230 x 400	750 x 240 x 450
Weight approx.	kg	25	29

Contents of package CRAFT-MIG 201P PULSE SET	
•	VarioProtect XXL W welder's helmet
•	Welding torch MB 25 / 3 m
•	Earth cable with ground clamp 300 A, 25 mm ² , 3 m
•	Gas hose 12 x 6 mm, 4 m
•	Pressure regulator Argon/CO ₂ , large
•	Feed roll Ø 0.8 – 1.0 mm steel

Contents of package CRAFT-MIG 253 PULSE SET	
•	VarioProtect XXL W welder's helmet
•	Welding torch MB 25 / 4 m
•	Earth cable with ground clamp 300 A, 35 mm ² , 4 m
•	Gas hose 12 x 6 mm, 4 m
•	Pressure regulator Argon/CO ₂ , large
•	Feed roll Ø 0.8 – 1.0 mm steel

MIG/MAG weld fume extraction torch S8XE MINI air-cooled

- ▶ Light extraction torch (only 1.1 kg)
- ▶ Flexible and manoeuvrable hose with ball joint
- ▶ Small, ergonomic handle
- ▶ 90-95% fume extraction
- ▶ 3 replaceable nozzles for various applications
- ▶ Specially designed for welding work where position changes are constantly required, e.g., for automotive welding



S8XE MINI air-cooled	Art. No.	I _{max} CO ₂	I _{max} mixed gas	Duty cycle
S8XE MINI 3 m air-cooled	1820003	280 A	250 A	100%
S8XE MINI 4 m air-cooled	1820004	280 A	250 A	100%
S8XE MINI 5 m air-cooled	1820005	280 A	250 A	100%

MIG/MAG weld fume extraction torch S8XE air-cooled

- ▶ Ultra flexible hose
- ▶ Ergonomic handle
- ▶ 90-95% fume extraction
- ▶ 45° curved torch neck



S8XE air-cooled	Art. No.	I _{max} CO ₂	I _{max} mixed gas	Duty cycle
S8XE 3 m air-cooled MN-45°	1820013	320 A	300 A	100%
S8XE 4 m air-cooled MN-45°	1820014	320 A	300 A	100%
S8XE 5 m air-cooled MN-45°	1820015	320 A	300 A	100%

MIG/MAG weld fume extraction torch S8XE liquid-cooled

- ▶ Ultra flexible hose
- ▶ Ergonomic handle
- ▶ 90-95% fume extraction
- ▶ 45° curved torch neck



S8XE liquid-cooled	Art. No.	I _{max} CO ₂	I _{max} mixed gas	Duty cycle
S8XE 3 m liquid-cooled MN-45°	1820023	550 A	500 A	100%
S8XE 4 m liquid-cooled MN-45°	1820024	550 A	500 A	100%
S8XE 5 m liquid-cooled MN-45°	1820025	550 A	500 A	100%

Torch extraction SRF VacuFil 125 / SRF VacuFil 125i – For continuous deployment with automatic extraction performance control



Qualität Made
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- ▶ Best health protection due to use of KemTex® ePTFE filter cartridges with surface filtration
- ▶ Uninterrupted continuous operation due to automatically controlled filter cleaning
- ▶ Suitable for large volumes of fumes/dust
- ▶ SRF VacuFil 125i with cloud connection via WiFi and touch panel control

Model		SRF VacuFil 125 / SRF VacuFil 125i
Art. No.		1800045 / 1800050
Filtering process		2-stage
Filter type		Cleanable filter
Cleaning process		Rotation nozzle
Area approx.	m ²	4
Material		ePTFE membrane
Separation class	%	≥ 99.9
Welding fume separation class		W3
Dust class		m
Extraction performance	m ³ /h	125
Connection port diameter	mm	45
Drive motor output	kW	1.5
Supply voltage	V	400
Length x width x height approx.	mm	635 x 885 x 1160
Weight approx.	kg	130



Non-binding special offer prices
PTO for terms of delivery

Weld fume extraction unit SRF SmartFil – the mobile professional extraction system for regular use

- ▶ Safe operation due to rotating field detection
- ▶ Improved safety thanks to filter monitoring
- ▶ Less need to adjust the extraction arm due to flow-optimised design of the extraction hood
- ▶ Excellent economy thanks to high capacity and long filter service life

Technical data		SRF SmartFil
Art. No.		1800031
Filtering process		2-stage
Type		Disposable filter
Area	m ²	25
Material		Polyester non-woven
Separation class	%	≥ 99.5
Filter class		E12
Additional filters		Pre-Filter
Extraction performance	m ³ /h	1100
Ventilator type		Radial ventilator
Extraction arm type		Hose design
Length of extraction arm	m	3
Diameter of extraction arm	mm	150
Drive motor output	kW	1.5
Supply voltage	V	400
Sound pressure level	dB(A)	70
Length x width x height approx.	mm	795 x 836 x 1169
Weight approx.	kg	131



Accessories	Art. no.
Replacement filter	1810055

SRF WallMaster welding fume filter - Cost-effective welding fume filter solution for a modular setup with high filter capacity and safe filter change

- ▶ Excellent economy thanks to high capacity and long filter service life
- ▶ Reliable filter monitoring via pressure gauge
- ▶ Easy to retrofit

Technical data		SRF WallMaster
Art. No.		1800005
Filtering process		2-stage
Type		Disposable filter
Area	m ²	42
Material		Polyester non-woven
Separation class	%	≥ 99.5
Filter class		E12
Extraction performance max.	m ³ /h	1600
Extraction duct diameter	mm	160
Length x width x height approx.	mm	765 x 715 x 795
Weight approx.	kg	65



Accessories	Art. no.
Replacement filter	1810055

Room ventilation SRF CleanAirTower 2.0 – Energy-saving room ventilation system with stratified ventilation for welding smoke in production shops

- ▶ Environments with changing dust/ smoke sources and where spot extraction is not possible
- ▶ Uninterrupted operation through automatic filter cleaning and dust discharge into dust collection bucket
- ▶ Minimisation of heating costs through air recirculation and air distribution
- ▶ Stratified ventilation principle, recommended by the trade association
- ▶ No distribution of contaminated air into unpolluted hall areas, as hardly any air turbulence is created

Technical data		SRF CleanAirTower 2.0
Art. No.		1802000
Filtering process		1-stage
Filter type		Cleanable filter
Cleaning process		Rotation nozzle
Filter surface approx.	m ²	3 x 20
Material		PTFE membrane
Separation class	%	≥ 99.9
Weld fume separation class		W3
Dust class		m
Extraction performance	m ³ /h	6000

Technical data		SRF CleanAirTower 2.0
Sound pressure level	dB(A)	72
Ventilator type		Radial ventilator, direct drive
Volume of dust collecting bin	l	10
Drive motor output	kW	5.5
Supply voltage	V	400
Compressed air supply	bar	5 – 6
Length x width x height approx.	mm	1 172 x 1 172 x 3 622
Weight approx.	kg	666



Grinding table for extraction unit – Robust grinding table with rear wall collection and fold-down side walls

- ▶ Also suitable for larger workpieces, as the side walls are foldable
- ▶ Reduced noise emission due to soundproofed side walls
- ▶ Higher degree of grinding dust collection due to the rear wall collection
- ▶ Easy cleaning thanks to integrated dust drawer



Qualität Made in Germany



1510 x 1060 x 1700 mm

Technical data		1010 x 1060 x 1700	1360 x 1060 x 1700	1510 x 1060 x 1700	2000 x 1060 x 1700
Art. No.		1801105	1801110	1801115	1801120
Table height	mm			800	
Length of table top	mm	1010	1360	1510	2000
Width of table top	mm			760	
Length approx.	mm	1010	1360	1510	2000
Width ca.	mm			1060	
Height approx.	mm			1700	
Weight approx.	kg	159	191.5	210	271

Training welding table - sturdy table with support made of fireclay bricks and iron brackets

- ▶ For training institutions and apprentice workshops
- ▶ By dividing the work surface, two welding processes can be learned at one workplace
- ▶ Working area divided into two parts: bar iron grate and sheet steel support with fireclay plates



Qualität Made in Germany



Figure shows optional forced position welding device

Contents of package

- Bar iron grate
- Sheet steel support with fireclay plates

Technical data		600 x 600 x 800 mm without drawer	900 x 600 x 800 mm without drawer	1200 x 600 x 800 mm without drawer
Art. No.		1801000	1801005	1801010
Table height	mm		800	
Length x width x height approx.	mm	600 x 600 x 800	900 x 600 x 800	1200 x 600 x 800

Accessories	Art. no.
Forced position welding device	1810260

Stationary welding fume extraction unit SRF Filter-Table - combination of welding table and extraction unit with large working area

- ▶ Low to moderate volume of fumes/dust
- ▶ Effective spark protection ensures maximum safety
- ▶ Effective working due to the particularly large working area of approx. 1200 x 800 mm
- ▶ Spark pre-separator trap
- ▶ Activated carbon filter insert optionally available



Qualität Made in Germany



Technical data		SRF Filter Table
Art. No.		1801100
Filtering process		2-stage
Type		Disposable filter
Material		Fibreglass non-woven
Filter class		F9
Additional filters		Pre-Filter
Extraction performance	m ³ /h	1400
Ventilator type		Radial ventilator
Drive motor output	kW	1.5
Supply voltage	V	400
Sound pressure level	dB(A)	71
Length x width x height approx.	mm	1200 x 800 x 1340
Weight approx.	kg	155



Effective spark protection ensures high safety

Accessories	Art. no.
Activated carbon filter	1810052
Main filter 15.8 m ²	1810050
Pre-filter mat set	1810051

Additional equipment on request

Non-binding special offer prices
PTO for terms of delivery

MIG/MAG welding gloves Basic – Specially suited for shield gas

- ▶ Very soft and supple premium split cowhide leather
- ▶ Fleece lining for excellent comfort
- ▶ Long cuff for protection against weld spatter

Technical data	Basic size L	Basic size XL
Art. No.	1616110L	1616110XL
EN 407:2004, Thermal risks	413X4X	
EN 388:2016, Mechanical risks	3144X	
DIN EN 12477:2001	Version A	
Hand circumference approx.	240 mm	270 mm
Length	355 mm	360 mm



- ▶ Improved dexterity thanks to seamless digit finger for easier gripping

MIG/MAG welder's glove Pro – Particularly suited to shield gas, with two-layer hand surface

Technical data	Pro size L	Pro size XL
Art. No.	1616111L	1616111XL
EN 407:2004, Thermal risks	413X4X	
EN 388:2016, Mechanical risks	3144X	
DIN EN 12477:2001	Version A	
Hand circumference approx.	240 mm	270 mm
Length	355 mm	360 mm



- ▶ Improved dexterity thanks to seamless digit finger for easier gripping



- ▶ Hand surface made of two-layer cow hide

TIG welding gloves Basic – Ideal for TIG welding for great dexterity

- ▶ Palm surface made of goat's leather with split leather cuff
- ▶ Back of hand made of split cowhide leather
- ▶ Long cuff for protection against weld spatter

Technical data		Basic size M	Basic size L	Basic size XL
Art. No.		1616120M	1616120L	1616120XL
EN 407:2004, Thermal risks		413X4X		
EN 388:2016, Mechanical risks		2111X		
DIN EN 12477:2001		Type B		
Hand circumference approx.	mm	220	240	270
Length	mm	328	330	340



TIG welding gloves Pro – Ideal for TIG welding for great dexterity, palm with foam lining

- ▶ Palm and back of hand made of goat's leather with split goat's leather cuff
- ▶ Long cuff for protection against weld spatter
- ▶ Palm with foam lining for improved wearing comfort

Technical data		Pro size M	Pro size L	Pro size XL
Art. No.		1616121M	1616121L	1616121L
EN 407:2004, Thermal risks		413X4X		
EN 388:2016, Mechanical risks		2111X		
DIN EN 12477:2001		Type B		
Hand circumference approx.	mm	220	240	270
Length	mm	325	330	338





OPTIdrill® DQ 25 / DQ 32 – Inexpensive post drills with V-belt drive

Facts that impress in terms of quality, performance and price

- ▶ Precise workmanship; stable drilling table with diagonal T-grooves
- ▶ Solid, generously dimensioned baseplate with grooves, rear with pronounced ribbing
- ▶ Guaranteed concentricity of drill spindle better than 0.03 mm measured in the drilling spindle
- ▶ Drilling depth stop
- ▶ Separate emergency stop mushroom button
- ▶ Clockwise/Anti-clockwise rotation

SCOPE OF DELIVERY:

- ▶ Quick-action drill chuck 1 - 16 mm
- ▶ Morse cone
- ▶ T-slot nuts
- ▶ Machine vice BME 150



Machine data	DQ 25	DQ 32
Art. No.	3191047SET	3191049SET
Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Motor output	750 W	1.1 kW
Drilling performance in steel (S235JR)	Ø 25 mm	Ø 30 mm
Continuous drilling performance steel (S235JR)	Ø 20 mm	Ø 25 mm
Spindle holder	MK 3	MK 4
Reach/Spindle sleeve stroke	181 mm / 80 mm	225 mm / 125 mm
Spindle speeds / speed steps	200 - 2 440 rpm / 12	120 - 1,810 rpm / 9
Table length x width / T-slots	280 x 280 / 14 mm	355 x 355 / 14 mm
Drill table rotation/lateral tilt	360° / ± 45°	360° / ± 45°
Dimensions length x width x height	700 x 350 x 1,620 mm	850 x 390 x 1,660 mm
Net weight	71 kg	120 kg



Fig.: DQ 25

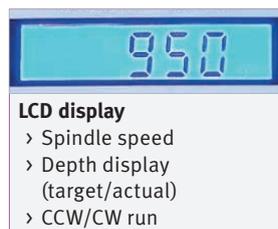


Fig.: DQ 32

OPTIdrill® DX 17E - Bench-mounted drilling machine with continuously adjustable speed control

Facts that impress in terms of quality, performance and price

- ▶ Best possible force transmission thanks to aluminium pulleys
- ▶ Drill spindle with precision ball bearings
- ▶ Height adjustability chuck guard with microswitch
- ▶ Dirt/water-resistant, easy-to-clean membrane keyboard
- ▶ Anti-glare LED lighting on the left and right, integrated into the drilling head



LCD display

- › Spindle speed
- › Depth display (target/actual)
- › CCW/CW run



SIEMENS SINAMICS V 20



SCOPE OF DELIVERY:

- ▶ Quick-action drill chuck 1 - 13 mm
- ▶ Adapter MK2-B16

Machine data	DX 17E
Art. No.	3020168
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.0 kW
Continuous drilling performance Steel (S235JR)	Ø 16 mm / Ø 13 mm
Thread tapping steel (S235JR)	M8
Spindle holder	MK 2
Reach/Spindle sleeve stroke	235 mm / 60 mm
Spindle speeds	50 - 4 000 rpm
Speed stages	Electronically controlled
Bed work surfaces L x W/T-grooves	290 x 290 mm / 10 mm
Column diameter	Ø 60 mm
Dimensions length x width x height	425 x 481 x 910 mm
Net weight	73 kg

MSU 3 – Universal machine and tool trolley

- ▶ All three ball bearing mounted drawers can be operated with full extension and are equipped with a stop at the end to prevent accidental opening when shunting or transporting
- ▶ Stable design
- ▶ Lockable with cylinder lock

Model	MSU 3
Art. No.	3352990
Load bearing capacity	max. 200 kg
Load bearing capacity per drawer	max. 50 kg
Dimensions	650 x 655 x 620 mm
Net weight	47 kg



Non-binding special offer prices
PTO for terms of delivery

*Note: For important details on the operation of the DX 17E machine with frequency converters see the main catalogue. The drilling machines (frequency inverters) comply with standard DIN EN 55011: class C2

OPTi turn® TM 3310 / TM 3310D

Feed and lead spindle lathes impress with their rugged design and simple handling.

TM 3310D with DPA 31 digital position display

Facts that impress in terms of quality, performance and price

- ▶ Tempered and polished z-axis guideway
- ▶ Guaranteed concentricity of spindle nose better than 0.015 mm
- ▶ DC 24 Volt electrical system
- ▶ Clockwise/anti-clockwise rotation switchable on bed slide
- ▶ Switch rod on the bed slide for selection of longitudinal or cross feed
- ▶ Safety hand wheels with release function acc. to EN23125 in the X and Z axis
- ▶ Switch with lifecycle calculation, approved in line with EN ISO 13849
- ▶ Two-channel CW/CCW switch approved in line with EN 23125
- ▶ Emergency stop button right and left
- ▶ Tempered main spindle borne on adjustable, precision taper roller bearings
- ▶ Machine chassis with rugged steel design
- ▶ Motor circuit switch
- ▶ User-friendly membrane keyboard with functions: machine on and direct run
- ▶ Main motor electrically braked



TM 3310D - Digital position display DPA 31

Display:

- › User-friendly membrane keyboard, splash water protected, dazzle free and easy to clean



Measuring system:

- › Magnetic belt on X and Z0 axis
- › Scale on Z axis
- › The electronic measuring components of the scale are protected and sealed in the housing
- › Provides accurate and reliable measurement results even if the measuring system is operated in oil or coolant
- › Tolerant towards vibration and magnetic interference



Fig.: TM 3310D

Spindle holder



- › The spindle is designed as Camlock DIN ISO 702-2 no.4 holding fixture.

LED machine lamp



- › Dazzle-free, integrated into chip guard

Chip tray



- › Pull-out chip drawer with guide rails

Machine data	TH 3310 / TH 3310D
Art. No.	3403020
Electrical connection	400 V / 3 Ph ~50 Hz
Drive motor	1.5 kW
Max. height/width	165 mm / 1,000 mm
Orbit Ø above machine bed*	330 mm
Spindle holder	Camlock DIN ISO 702-2 No. 4
Spindle speeds	65 - 2,000 rpm
Number of speeds	9 speeds
Spindle taper	MK 3
Spindle bore	Ø 38 mm
Top/cross slide stroke	90 mm / 168 mm
Longitudinal feed within the range	0.02 - 0.4 mm/rev (24 feeds)
Metric thread pitch	0.4 - 10 mm/rev (29 pitches)
Dimensions L x W x H	1,760 x 745 x 1,320 mm
Net weight	469 kg

SCOPE OF DELIVERY:

- ▶ Three-jaw lathe chuck Ø 160 mm, no. 4
- ▶ Reduction sleeve MK 5 - MK 3
- ▶ Non-travelling centre MK 3
- ▶ Replaceable gear set
- ▶ Machine initially filled with premium grade oil
- ▶ Operating tool

Accessories	Art no.
Travelling steady	3441469
Fixed steady	3441470

Vario conversion

for milling machines MZ 2S and MZ 4S

Vario drive with SIEMENS Sinamics G 110M inverter drive

- › With integrated EMC filter
- › Low-noise motor operation thanks to high pulse frequency
- › Status information and alarm messages via the optional control panel (BOP)
- › Fast current limitation (FCL) for trouble-free operation in case of sudden load peaks

Optional Vario drive with
SIEMENS SINAMICS G110M



Vario conversion MZ 2S
Art. No. 3491119

Vario conversion MZ 4S
Art. No. 3491120

OPTi^{grind}® GU 30S

Universal grinding machine with grinding attachment

Facts that impress in terms of quality, performance and price

- ▶ Rugged and sturdy universal grinding machines with grinding belt and grinding disc for a variety of materials
- ▶ Heavy, durable industrial design with maintenance-free motor for continuous use
- ▶ Housing made of strand cast aluminium
- ▶ Large, heavy fastening flanges ensure excellent disc concentricity
- ▶ Grinding attachment with graphite support; prevents friction and heat
- ▶ Stop allows for fast and convenient initial grinding of the workpieces
- ▶ Belt run adjustment without tools - adjustable using a single star knob

SCOPE OF DELIVERY:

- ▶ Grinding disc normal corundum 80 grain
- ▶ Grinding belt normal corundum 80 grain

Machine data	GU 30S
Art. No.	3101585
Electrical connection	400 V / 3 Ph ~50 Hz
Motor output	2.2 kW
Grinding wheel size	Ø 300 x 50 mm Ø 25 mm
Shaft seating	Ø 25 mm
Extraction port	Ø 35 / Ø 50 mm
Grinding belt L x W	100 x 1,190 mm
Dimensions L x W x H	767 x 420 x 527 mm
Net weight	64.5 kg

Grinding attachment

- ▶ Grinding attachment can be adjusted via the flange in a swivel range of 0°-90°



Fig.: GU 30S



OPTi^{grind}® GU 30

Double grinder by OPTIMUM. A a quality product for trades and industry

Facts that impress in terms of quality, performance and price

- ▶ Heavy, durable industrial design with maintenance-free motor for continuous use
- ▶ Housing made of strand cast aluminium
- ▶ Long service life and quiet action thanks to balanced rotor with quality ball bearings
- ▶ Spark guard on each grinding disc reduces flying sparks and is made of break-proof material
- ▶ Sturdy adjustable workpiece support
- ▶ Vibration-damping rubber feet

SCOPE OF DELIVERY:

- ▶ Coarse grinding wheel 36 grain
- ▶ Fine grinding wheel 80 grain

Machine data	GU 30
Art. No.	3101530
Electrical connection	400 V / 3Ph ~50 Hz
Motor output	2.2 kW
Grinding wheels	Ø 300 x 50 mm
Shaft diameter	Ø 25 mm
Extraction duct nominal width	Ø 35 / Ø 50 mm
Rotational speed	1 450 rpm
Dimensions	766 x 416 x 520 mm
Net weight	66 kg



Fig.: GU 30



OPTIpolish GU 35P Polishing machine for surface machining of metal workpieces



Facts that impress in terms of quality, performance and price

Heavy, durable industrial design with maintenance-free motor

- ▶ Housing made of strand cast aluminium
- ▶ Long service life and quiet action thanks to balanced rotor with quality ball bearings
- ▶ Two wide polishing discs included in standard scope of delivery
- ▶ Vibration-damping rubber feet
- ▶ Large base
- ▶ Housing with extraction hood



Fig.: GU 35P

SCOPE OF DELIVERY:

- ▶ Hard and soft polishing disc

Machine data	GU 35P
Art. No.	3101560
Electrical connection	400 V / 3 Ph ~50 Hz
Motor output	2.2 kW
Polishing disc size	Ø 350 x 40 mm
Shaft seating	Ø 35 mm
Rotational speed	1 450 rpm
Dimensions L x W x H	916 x 335 x 393 mm
Net weight	64.1 kg

Extraction hood set	Article no.
For GU 20S	3107060
For GU 25P	3107061
› 2-part left and right	



Machine chassis with cyclone extractor for grinding machines



When the external device is switched on, the extraction unit automatically starts up after a delay of 2-3 seconds. No need to additionally switch the extraction unit on or off: the residual dust is extracted after switching off the machine in line with the Hazardous Materials Ordinance

		Specially suited for:				
<p>GU 5</p> <ul style="list-style-type: none"> ▶ Includes Y adapter for two-tube extraction unit connection ▶ External 230V continuous supply ▶ Motor output 4 kW 400 V ▶ Dimensions: 525 x 440 x 815 mm 	<table border="1"> <thead> <tr> <th>Model</th> <th>GU 5</th> </tr> </thead> <tbody> <tr> <td>Article no.</td> <td>3107114</td> </tr> </tbody> </table>	Model	GU 5	Article no.	3107114	 <ul style="list-style-type: none"> › Double grinder GU 30 › Universal grinding machine GU 30S › Polishing grinder GU 35P
Model	GU 5					
Article no.	3107114					
<p>GU 5-H</p> <ul style="list-style-type: none"> ▶ Includes Y adapter for two-tube extraction unit connection ▶ External 230V continuous supply ▶ Motor output 4 kW 400 V ▶ Dimensions: 525 x 440 x 815 mm 	<table border="1"> <thead> <tr> <th>Model</th> <th>GU 5-H</th> </tr> </thead> <tbody> <tr> <td>Article no.</td> <td>3107124</td> </tr> </tbody> </table> <p>The substructure must be filled with concrete at the customer's site.</p>	Model	GU 5-H	Article no.	3107124	 <ul style="list-style-type: none"> › Double grinder GZ 40D › Combined grinding machine GZ 40C › Polishing grinder GU 40P
Model	GU 5-H					
Article no.	3107124					
Machine substructures without extraction unit		Specially suited for:				
<p>GU 4</p> <ul style="list-style-type: none"> ▶ Coolant tray ▶ Small footprint ▶ Dimensions: 500 x 420 x 770 mm ▶ Weight: 30 kg 	<table border="1"> <thead> <tr> <th>Model</th> <th>GU 4</th> </tr> </thead> <tbody> <tr> <td>Article no.</td> <td>3107119</td> </tr> </tbody> </table>	Model	GU 4	Article no.	3107119	 <ul style="list-style-type: none"> › Double grinder GU 30 › Universal grinders GU 30S › Polishing grinder GU 35P › Plate grinder GB 305D › Brush deburrer GB 250B
Model	GU 4					
Article no.	3107119					
<p>GU 4-H</p> <ul style="list-style-type: none"> ▶ Coolant tray ▶ Small footprint ▶ Dimensions: 500 x 420 x 770 mm ▶ Weight: empty 33 kg / filled 139 kg 	<table border="1"> <thead> <tr> <th>Model</th> <th>GU 4-H</th> </tr> </thead> <tbody> <tr> <td>Article no.</td> <td>3107123</td> </tr> </tbody> </table> <p>The substructure must be filled with concrete at the customer's site.</p>	Model	GU 4-H	Article no.	3107123	 <ul style="list-style-type: none"> › Double grinder GZ 40D › Combined grinder GZ 40C › Polishing grinder GU 40P
Model	GU 4-H					
Article no.	3107123					

Vario drive with SIEMENS inverter Sinamics V20 enables speed control of the grinder

Without grinder - must be ordered separately along with your order

Machine base & machine = Vario



Machine substructures with integrated Vario drive without extraction unit

Machine bases with integrated Vario drive with cyclone extraction

- ▶ Cyclone extraction unit integrated in chassis, consequently less space required
- ▶ With automatic switch-on: No need to additionally switch the extraction unit on or off because the extraction unit switches on or off automatically after a delay of 2-3 seconds when the unit is switched on or off. The residual dust is extracted after switching off the machine in line with the Hazardous Materials Ordinance



GU 4

- ▶ Coolant tray
- ▶ Dimensions L x W x H: 500 x 420 x 770 mm

Art. No. 3491550



GU 5

- ▶ Coolant tray
- ▶ Dimensions L x W x H: 500 x 744 x 770 mm

Art. No. 3491552



GU 4-H

- ▶ Coolant tray
- ▶ Dimensions L x W x H: 500 x 420 x 770 mm

Art. No. 3491571

Note: The GU 4-H substructure must be filled with concrete at the customer's site.



GU 5-H

- ▶ Coolant tray
- ▶ Dimensions L x W x H: 500 x 744 x 770 mm

Art. No. 3491573

Note: The GU 5-H substructure must be filled with concrete at the customer's site.

Vario drive SIEMENS inverter	GU 1/ GU 3		GU 4 / GU 5	GU 4-H / GU 5-H
	0.75 kW	1.5 kW	up to 2.2 kW	up to 4.4 kW
Circumferential speeds controllable	30 m/s to 5 m/s	37 m/s to 6 m/s	34 m/s to 6 m/s	34 m/s to 6 m/s
	Suitable machines			
Combined grinders	GU 20B	GU 25B	-	GZ 40C
Universal grinders	GU 20S	GU 25S	GU 30S	-
Bench grinders	GU 20	GU 25	GU 30	GZ40D
Grinding/Polishing machine	GU 20P	GU 25P	GU 35P	GZ 40P

* The Vario conversion complies with the DIN EN 55011 standard: class C2

PG-E series – Synchronous inverter power generator for demanding private users and semi-professional applications

- ▶ All generators feature copper windings
- ▶ Short-term output of up to 3x rated output
- ▶ Automatic voltage control AVR
- ▶ Overload protection through thermal circuit breaker
- ▶ Low oil level shut-off with warning indicator
- ▶ 3 in 1 display for voltage, frequency and operating hours
- ▶ Long running time thanks to large tank
- ▶ Tank with fill level indicator
- ▶ Connections ergonomically positioned on the front
- ▶ Equipped with a wheelset and stable folding handle

Technical data	PG-E 100 TEA
Art. No.	6706100
Voltage	230 V/400 V
Emergency output LTP 230 V	11 kW
Continuous output COP 230 V	10 kW
Emergency output LTP 400 V	-
Continuous output COP 400 V	-
Motor	GB680
Fuel	Petrol
Starter	Electric starter
Running time at 50 % load	10 h
Running time at 100 % load	8 h
Tank capacity	45 l
Sound pressure level	79 dB(A)
Weighted sound power level LWA	99 dB(A)
Socket type	2x 230 V safety socket, 1x 400 V CEE 16A
Generator IP degree of protection	IP 23
Socket IP degree of protection	IP 44
Dimensions (L x W x H)	730 x 600 x 910 mm
Weight	170 kg

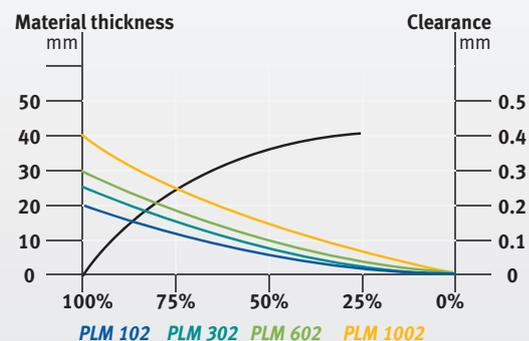


Permanent load lifting magnet PLM – for lifting flat and round material

- ▶ High safety standard thanks to certified safety factor 3.5
- ▶ For flat and round material thanks to V-design baseplate
- ▶ Easy switching on and off by switching the hand lever
- ▶ Improved safety due to effective lever safeguard in clamped condition
- ▶ Extremely durable - magnet body made of a single component
- ▶ Independent of rechargeable batteries or external power supply
- ▶ Sturdy lifting eye reduces unnecessary swinging under load



Technical data	PLM 102	PLM 302	PLM 602	PLM1002
Art. No.	6171331	6171333	6171336	6171339
Load-carrying capacity	100 kg	300 kg	600 kg	1 000 kg
Load-bearing capacity round material	50 kg	150 kg	300 kg	500 kg
Length	137 mm	199 mm	263 mm	303 mm
Width/depth	62 mm	90 mm	115 mm	150 mm
height	111 mm	185 mm	185 mm	290 mm
Weight	4.2 kg	10.8 kg	21.2 kg	42 kg



EKZT-2 series – electric chain hoists with two lifting speeds and up to 2 t max. load-carrying capacity

- ▶ Overload protected by slip clutch
- ▶ Integrated operation limit switch
- ▶ Helical toothed gear for smooth and quiet operation
- ▶ High strength load chain, good wear resistance and high safety factor
- ▶ Safe stowing of the chain through chain store supplied as standard
- ▶ High-strength aluminium alloy gearbox housing for light weight, high strength and good corrosion resistance
- ▶ Thermal overload protection
- ▶ Control pendant prepared for connecting to and controlling the matching UNICRAFT electric trolley (note recommendation)

- ▶ Helical toothed gear for smooth and quiet operation
- ▶ High strength load chain, good wear resistance and high safety factor



EKZT 2003-2

Technical data	EKZT 503-2	EKZT 1003-2	EKZT 2003-2
Art. No.	6194440	6194441	6194442
Load-carrying capacity	0.5 t	1 t	2 t
Stroke	6 m	6 m	6 m
Max. lifting speed	8 / 2 m/min	4 / 1 m/min	4 / 1 m/min
Length of cable, control unit	6 m		
Number of chain strands	1	1	2
Current draw P1	0.72 kW	1.6 kW	1.6 kW
Output P2	0.18 kW	0.4 kW	0.4 kW
Power connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	442 x 280 x 400 mm	507 x 315 x 450 mm	507 x 315 x 520 mm
Weight	32 kg	49 kg	59 kg
Matching electric trolley	EFW 1003-2	EFW 1003-2	EFW 2003-2

Accessories

EFW-2 series – electric trolleys with two travel speeds and up to 2 t max. load-carrying capacity

Suitable for many beam types, with two travel speeds

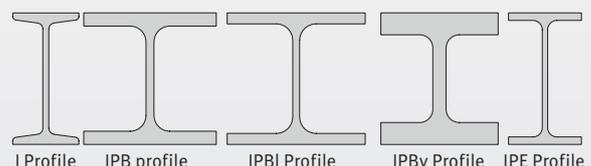
- ▶ Power connection and control of the trolley via the control pendant on the matching electric chain hoist
- ▶ Suitable for beams with profile types I, IPB, IPBI, IPBv and IPE and corresponding beam flange width

EFW 1003-2

- ▶ Suitable for electric chain hoists EKZT 503-2 (Art no.: 6194440)
- ▶ EKZT 1003-2 (Art no.: 6194441)
- ▶ EFW 2003-2
- ▶ Suitable for electric chain hoists EKZT 2003-2 (Art no.: 6194442)



Technical data	EFW 1-1	EFW 2-1
Art. No.	6194451	6194452
Load-carrying capacity	1 t	2 t
Degree of protection	IP 54	IP 54
Travel speed	6.7 / 20 m/min	6.7 / 20 m/min
Carrier flange width	74 – 140 mm	74 – 140 mm
Radius	4500 mm	4500 mm
Wheel diameter	68 mm	75 mm
Rating	0.2-0.67 kW	0.4-0.13 kW
Power connection	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	741 x 340 x 260 mm	748 x 340 x 280 mm
Weight	33 kg	40 kg



WK series – folding workshop cranes with spread chassis

- ▶ Crane boom 4x adjustable, load-bearing capacity depending on outreach
- ▶ With steering rollers for maximum flexibility even under load
- ▶ Space-saving storage thanks to folding tubular feet
- ▶ Easy to assemble and knock down
- ▶ With safety hook on boom
- ▶ Equipped with braking rollers for stability

WK 1002 LP and WK 2002 LP

- ▶ Particularly low underside clearance

Scope of delivery WK 2002:

- > 6 steering rollers
- > Safety hook

Scope of delivery WK 1002 LP:

- > 2 steering rollers
- > 4 fixed rollers
- > Safety hook

Scope of delivery WK 2002 LP:

- > 2 steering rollers
- > 4 fixed rollers
- > Safety hook



Low underside clearance



All three models fold



WK 2002

Fig. shows WK 1002 LP with engine positioner MP 680 (MP 680 not included in scope of supply)

Technical data	WK 2002	WK 1002 LP	WK 2002 LP
Art. No.	6201420	6201421	6201422
Load-carrying capacity	0.5 t/1 t/1.5 t/2 t	0.25 t/0.5 t/0.75 t/1 t	0.5 t/1 t/1.5 t/2 t
Lifting boom lengths	620 – 1,115 mm	620 – 1,115 mm	620 – 1,115 mm
Ground clearance	190 mm	100 mm	100 mm
Dimensions (LxWxH)	1800 x 1040 x 1568 mm	1350 x 1016 x 1515 mm	1360 x 1100 x 1360 mm
Weight	111.5 kg	68.9 kg	97 kg

Hydraulic scissor lift platform SHB 3 – Sturdy scissor design, suitable for loads up to three metric tons

- ▶ Two powerful hydraulic cylinders lift loads of up to three metric tons
- ▶ Control via mobile control panel
- ▶ Low platform with low ride-over height
- ▶ Flaps fold out to prevent slipping, corrugated and lockable
- ▶ Rubber coverings for slip protection
- ▶ Automatic locking devices secure the lifting platform at several operating heights
- ▶ Foot trap protection on both sides for additional safety
- ▶ Chassis for easy positioning of the lifting platform in the workshop included in scope of delivery

For matching compressors see the main AIRCRAFT catalogue and on www.aircraft-kompressoren.com



Scope of delivery SHB 3:

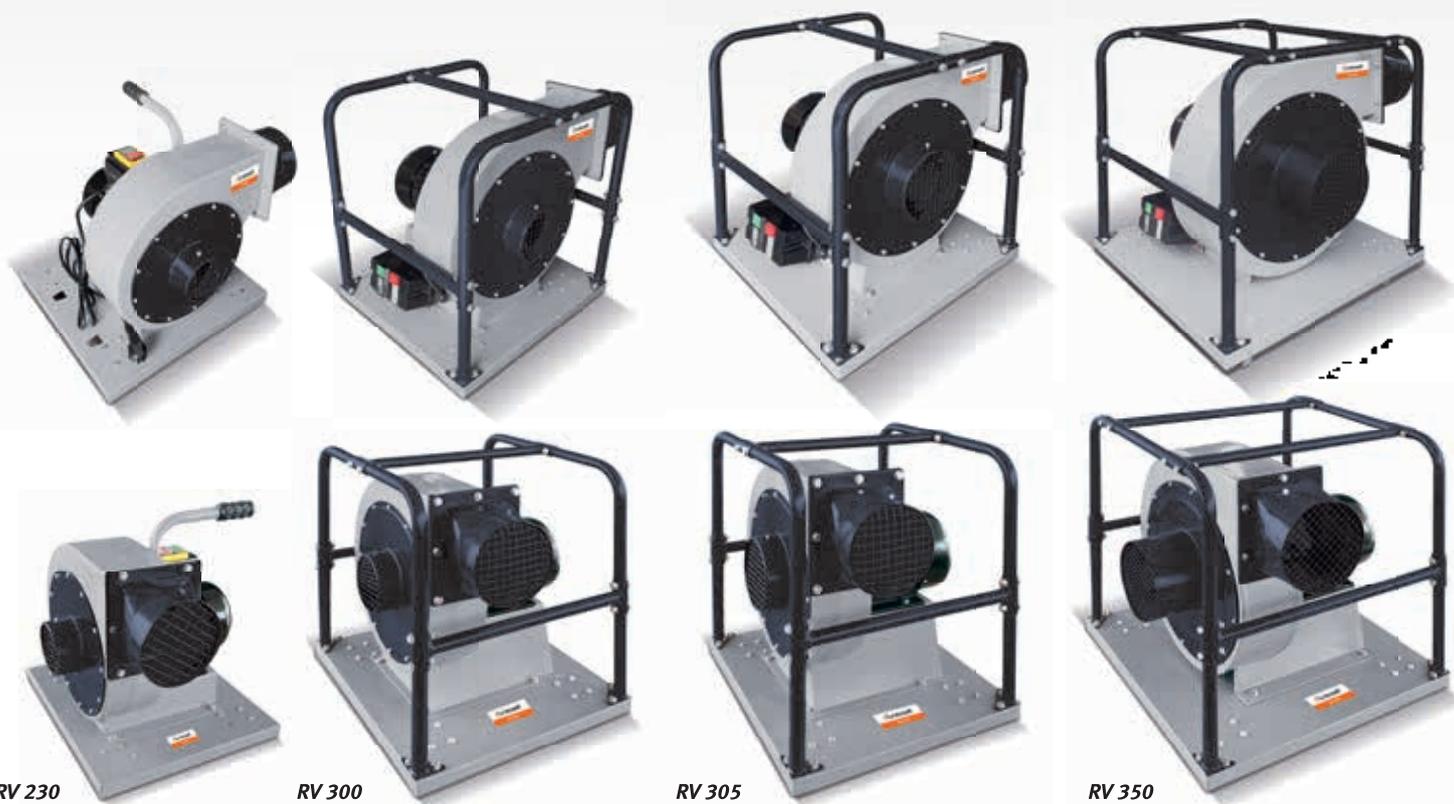
- Transportation wheel set
- Transport lever bar
- Two foot protection bars
- Rubber coverings

Technical data		SHB 3
Art. No.		6240030
Load-carrying capacity	T	3
Min. height	mm	110
Max. height	mm	1000
Rating	kW	2.2
Supply voltage	V	400
Operating pressure	bar	8
Platform length	mm	1420
Platform width	mm	460
Length x width x height	mm	1943 x 1954 x 125
Weight	kg	470



RV series – compact radial ventilators

- ▶ For extracting chips, smoke, gases, grains, wood and plastic particles and similar
- ▶ Curved impellers ensure energy saving, low-noise operation
- ▶ High efficiency thanks to optimised design



RV 230

RV 300

RV 305

RV 350

Technical data		RV 230	RV 300	RV 305	RV 350
Art. No.		6264230	6264300	6264305	6264350
Max. air flow	m ³ /h	888	1914	2573	4212
Impeller diameter	mm	230	300	305	350
Air exit speed	m/s	32	41	41	46
Intake port diameter	mm	100	125	150	180
Outlet diameter	mm	125	150	150	180
Output performance drive motor	kW	0.55	1.1	1.6	2.8
Motor speed	rpm	2850	2850	2850	2850
Voltage	V/Hz	230 / 50	230 / 50	400 / 50	400 / 50
Sound pressure level	dB(A)	80	87	87	89
Weight	kg	15	30	31	50
Dimensions (L x W x H)	mm	475 x 393 x 391	600 x 460 x 545	600 x 460 x 545	677 x 580 x 595

Accessories					
Accessories	RV 230	RV 300	RV 305	RV 350	Art. no.
Wheelset	x				6264355
Wheelset		x	x	x	6264356

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