

METAL PROCESSING

PRODUCT RANGE



LISSMAC

METAL PROCESSING



LISSMAC – EINE STARKE MARKE

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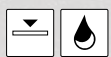
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MACHINE CONCEPTS

THE LISSMAC METAL PROCESSING PRODUCT RANGE COMBINES VARIOUS MACHINE CONCEPTS AND THUS OFFERS AN OPTIMUM SOLUTION FOR EVERY CUSTOMER REQUIREMENT.



>>

BOTH SIDES - ONE WORK STEP

In the dry processing method, the highly efficient double-sided processing of all cut contours (outside and inside contours) on sheets is done in only one work process. Double-sided synchronous processing offers highest productivity in the production process of our customers. The processing principle of LISSMAC systems guarantees across the entire working with optimal tool utilisation because the processing of the workpiece is always crossways to the feed direction. The LISSMAC system portfolio comprises three machine series. Depending on customer requirements, the M, L or XL series is used. These series differ in the number of assemblies for workpiece processing.



● SBM-M



● SBM-L



● SBM-XL



● SBM-XS

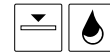




SINGLE SIDED - DRY

The product range of single-sided dry grinding machines includes the particularly economical entry-level models of the SMD 1 series. Their range of applications extends from deburring and all-round edge rounding to the removal of heavy plasma or flame-cut slag.

In the high-performance segment, the freely configurable models of the SMD 5 series show their strengths as real multi-talents for deburring and surface finishing. Thanks to their modular design, innovative technology (e.g. ECS Edge Contour System) and up to 5 processing units, the SMD 5 machines can be flexibly adapted."



SINGLE SIDED - WET

The SMW 5-series with its flexible configuration is a wet system for high-end deburring and finishing of sheet metal parts. The modular configuration, innovative technology (e.g. the ECS – Edge contour System) and up to 4 working stations makes the SMW 5-series the ideal solution to meet many different customer requirements.



SMD 123



SMD 133



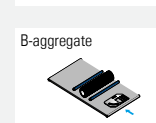
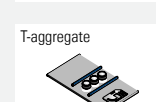
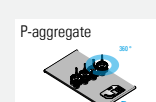
SMD 3



SMD 5



SMW



>> Available configurations SMD 3:
S-Edition: REE, RER, REER
P-Edition: REE, DRE, REER, DREE

>> SMD 5 flexible configuration

>> SMW 5 flexible configuration



**LISSMAC**

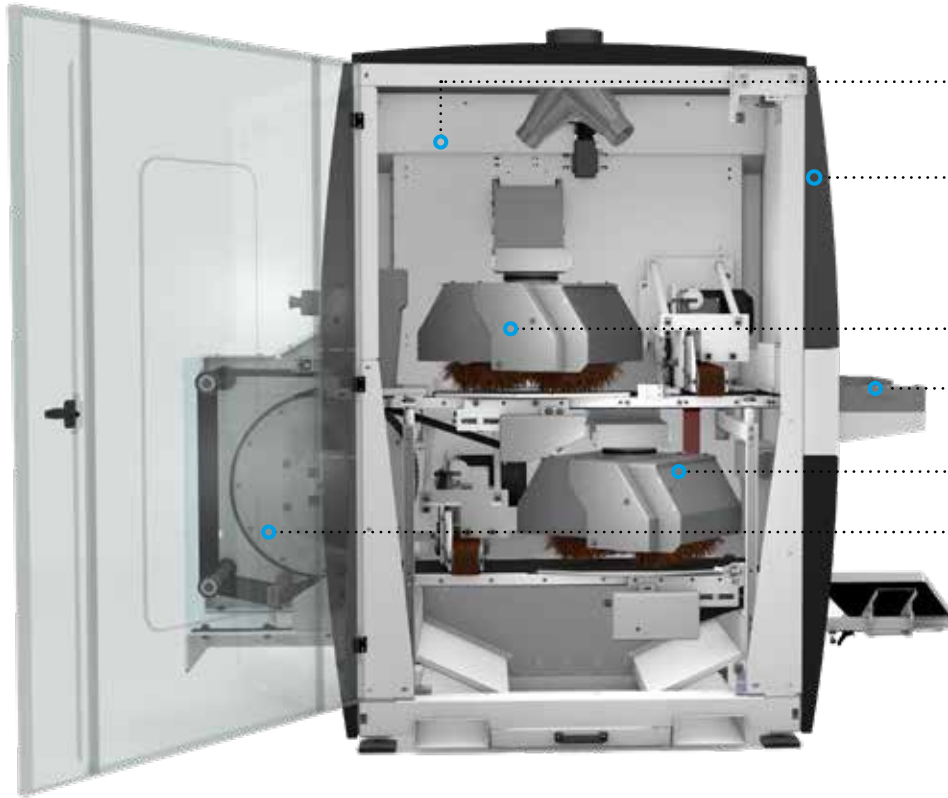
SBM-L 1000

>> SBM SERIES

The SBM series from LISSMAC sets standards in innovative sheet metal processing. In the dry processing method, the highly efficient double-sided processing of all cutting contours (outer and inner contours) on sheet metal takes place in just one work process. Synchronous machining on both sides offers maximum productivity and the best machining results.

SBM-XS 300 G1E1

DEBURRING AND EDGE ROUNDING ON BOTH SIDES OF SMALL COMPONENTS IN ONE SINGLE PASS



- Extremely space-saving design
- Simple operation
- Processing of long components
- Infeed and outfeed on operator side
- Directionless machining
- Innovative turning station

FURTHER INFORMATION:



TECHNICAL DATA	SBM-XS 300 G1E1	SBM-XS 300 G1E1 ALU MIX
Working width max.	300 mm	300 mm
Workable material thickness	1 - 15 mm	1 - 15 mm
Voltage	400 V, 50 Hz / 480 V, 60 Hz	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N
Total current consumption	13.5 A / 14 A	24 A / 23 A
Total power	7.5 kW / 8.5 kW	14 kW / 15.2 kW
Insulation class	IP 42	IP 42
Infinitely variable feed speed	0 - 2 m/min	0 - 2 m/min
Weight approx.	1400 kg	1450 kg
Dimensions (W/D/H)	1300/2300/1900 mm	1300/2300/1900 mm



- With a magnetic table designed for part dimensions of 25 x 25 x 1 mm up to maximum 200 x 200 x 15 mm (geometry-dependent)
- With vacuum table for part dimensions of 45 x 45 x 1 mm up to maximum 200 x 200 x 15 mm (geometry-dependent)
- Time consuming turn-over of parts with a second pass is not necessary
- Swinging away of the innovative turning station makes it possible to deburr parts longer than 200 mm
- A higher level of automation ensures an economic and reliable deburring process, also for large quantities of parts
- A high and sustainable deburring quality.
- Dry deburring process (no chemical additives as used in tumblers)
- Small parts are returned to the front of the machine and gathered in a box. No extra walking back and forth for the operator.
- Energy-efficient
- The deburring process ensures an even wear of the belt and brushes across the entire width of the machine
- Fast and simple tool Change
- Simple and intuitive operation of the machine
- Modern, compact machine design



before



after

OPTIONS

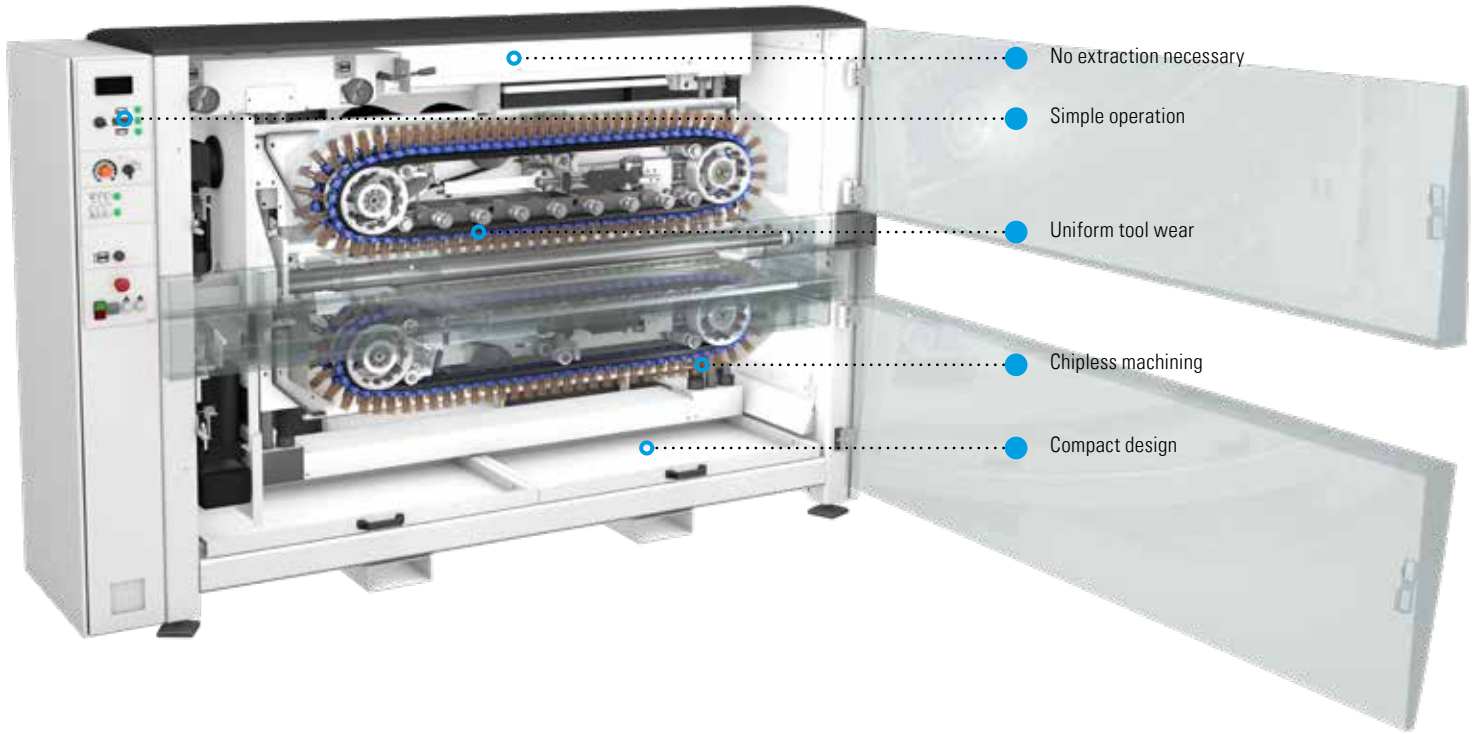


[1] Parts slide

[2] Table extension

SBM-M B2

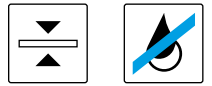
OXIDE LAYER REMOVAL ON BOTH SIDES IN ONE OPERATION



FURTHER INFORMATION:



TECHNICAL DATA	SBM-M 1500 B2
Working width max.	1500 mm
Workable material thickness	0.5 - 20 mm
Load	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3~ PEN / 3~ PE+N
Total current consumption	43 A / 37 A
Total power	23.5 kW / 23 kW
Insulation class	IP 42
Infinitely variable feed speed	0-4 m/min
Weight	2300 kg
Dimensions (W/D/H)	3100/1400/1800 mm



- Oxide removal in one single pass on all inside and outside edges of sheet and plate up to 20 mm material thickness
- No need to turn sheets over and running them through the machine again
- Up to 60 % work time savings compared to one-side processing brush machines
- Highest quality during subsequent processing or finishing
- Simultaneous brushing of interior and exterior contours
- All sharp edges blended
- Improved surface quality from removal of rust, scale and dirt
- Protective oil film remains intact
- The cross-machining principle guarantees optimum tool utilisation over the entire working width.
- Simple, intuitive operation
- Faster and simpler tool change within just a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise



before



after

OPTIONS

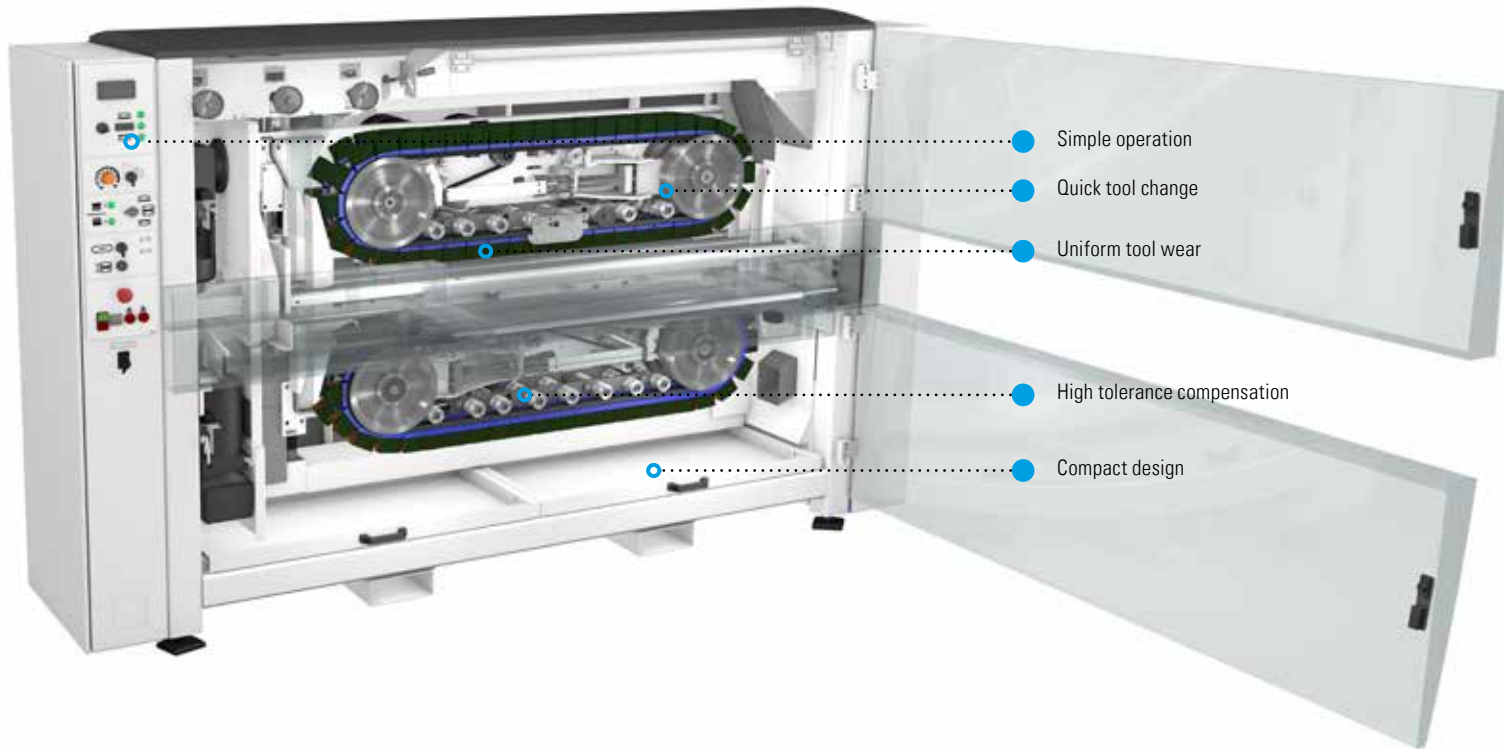


[1]

[1] Special molding for processing of small parts

SBM-M S2

EDGE ROUNDING ON BOTH SIDES IN ONE OPERATION



FURTHER INFORMATION:



TECHNICAL DATA	SBM-M 1000 S2	SBM-M 1500 S2
Working width max.	1000 mm	1500 mm
Workable material thickness	0.5 - 50 mm	0.5 - 50 mm
Load	300 kg/rm	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3~ PEN / 3~ PE+N	3~ PEN / 3~ PE+N
Total current consumption	28 A / 24 A	28 A / 24 A
Total power	15.2 kW / 15.5 kW	15.2 kW / 15.5 kW
Insulation class	IP 42	IP 42
Infinitely variable feed speed	0-4 m/min	0-4 m/min
Weight	2100 kg	2300 kg
Dimensions (W/D/H)	2800/1400/1800 mm	3300/1400/1800 mm



- Deburring and edge rounding of sheet and plate up to 50 mm material thickness
- No need to turn sheets over and running them through the machine again
- Up to 60 % work time savings compared to one-side processing grinding machines
- Highest quality during subsequent processing or finishing
- Simultaneous edge rounding of interior and exterior contours
- The cross-machining principle guarantees uniform tool utilisation over the entire working width.
- Protective foil on the sheets is not damaged during machining
- Dry operation
- Simple, intuitive operation
- Each tool unit can be separately electrically operated and adjusted
- Hydraulic belt tension – fast tool change within only a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise



before



after

OPTIONS

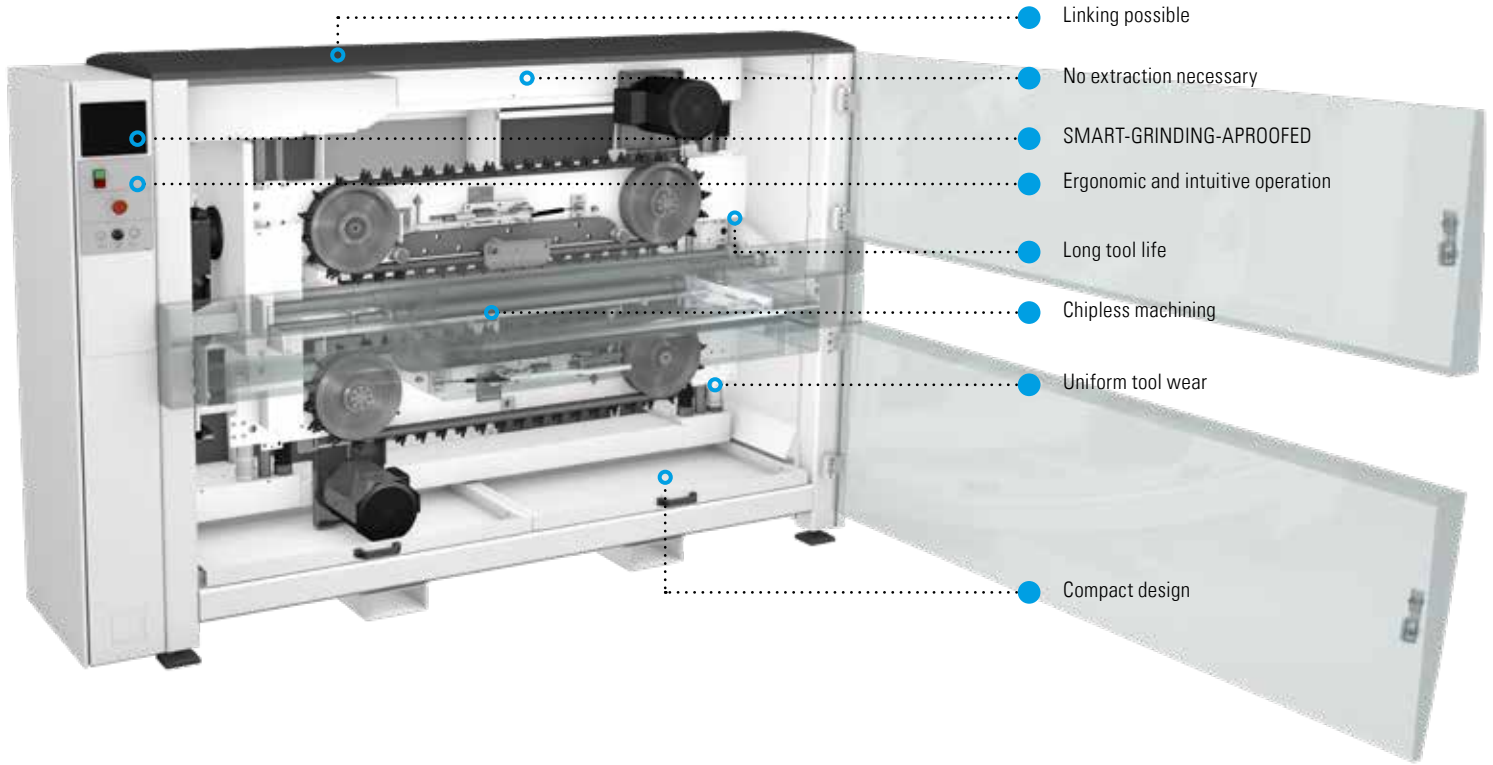


[1]

[1] Special molding for processing of small parts

SBM-M D2

REMOVAL OF SLAG FROM BOTH SIDES IN ONE OPERATION



FURTHER INFORMATION:



TECHNICAL DATA	SBM-M 1500 D2
Working width max.	1500 mm
Workable material thickness	5 - 120 mm
Load	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3~ PEN / 3~ PE+N
Total current consumption	15 A / 13.5 A
Total power	7.7 kW / 7.9 kW
Insulation class	IP 42
Infinitely variable feed speed	0-4 m/min
Weight	2100 kg
Dimensions (W/D/H)	3100/1400/1800 mm



- Two-side slag removal of plasma and thermal cut sheets up to 120 mm
- Saving of tool costs incurred by mechanical deslagging –no time-consuming and expensive grinding
- Two-side slag removal saves the time intensive turning of the often very heavy workpieces or machining of parts twice
- Up to 60 % work time savings compared to one-side processing machines
- Modular and compact in modern machine design - smaller footprint
- Dry operation
- The cross-machining principle guarantees uniform tool utilisation over the entire working width.
- Upper and lower assemblies separated can be adjusted or turned on and off electrically
- Innovative tooling and material feed system allows for optimum handling of burrs and uneven surface of pieces
- Maximum productivity while maintaining machining quality
- Improved work environment - Reduction of dust, dirt and noise



before



after

OPTIONS



[1]



[2]



[3]



[4]

[1] Bar code scanner for SBM Siemens S7

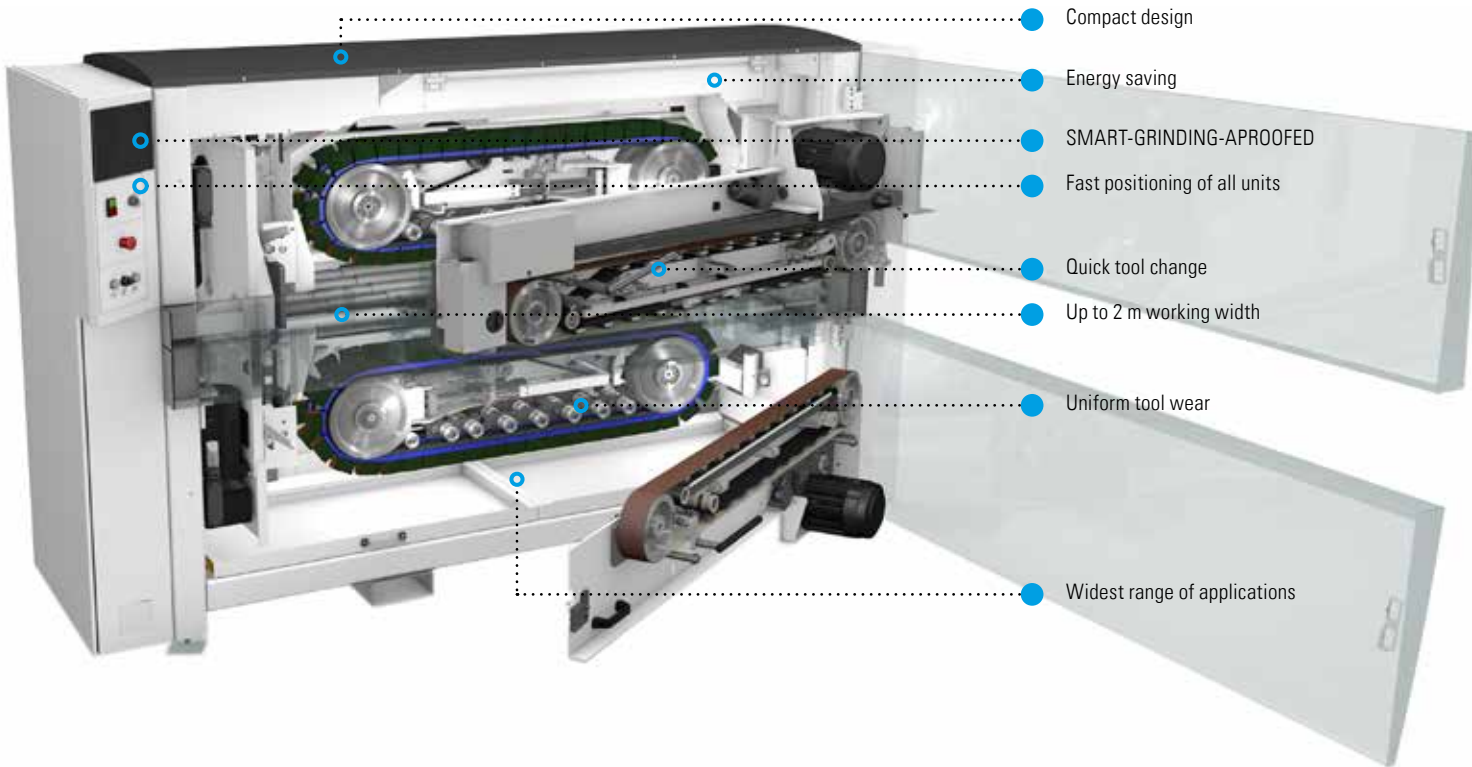
[2] Wireless thickness caliper ME 5000 (Siemens S7)

[3] ID-key switch (for Siemens S7 PLC)

[4] Special molding for processing of small parts

SBM-L G1S2

DEBURRING AND EDGE ROUNDING ON BOTH SIDES IN ONE OPERATION



- Compact design
- Energy saving
- SMART-GRINDING-APROOFED
- Fast positioning of all units
- Quick tool change
- Up to 2 m working width
- Uniform tool wear
- Widest range of applications

FURTHER INFORMATION:



TECHNICAL DATA	SBM-L 1000 G1S2	SBM-L 1500 G1S2	SBM-L 2000 G1S2
Working width max.	1000 mm	1500 mm	2000 mm
Workable material thickness	0.5 - 50 mm	0.5 - 50 mm	0.5 - 50 mm
Load	300 kg/rm	300 kg/rm	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz	400 V, 50 Hz / 480 V, 60 Hz	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3~PEN / 3~PE+N	3~PEN / 3~PE+N	3~PEN / 3~PE+N
Total current consumption	43.7 A / 40.8 A	43.7 A / 40.8 A	43.7 A / 40.8 A
Total power	19.2 kW / 20.4 kW	19.2 kW / 20.4 kW	19.2 kW / 20.4 kW
Insulation class	IP 42	IP 42	IP 42
Infinitely variable feed speed	0-4 m/min	0-4 m/min	0-4 m/min
Weight	2500 kg	2800 kg	3200 kg
Dimensions (W/D/H)	2800/1500/1800 mm	3300/1500/1800 mm	4000/1500/1800 mm



- Deburring and edge rounding of parts up to 50 mm material thickness
- Removal of spots on the sheet metal surface
- Processing both sides of the parts simultaneously eliminates the need of turning heavy parts and processing them for a second time
- Simultaneous deburring and edge rounding of interior and exterior contours
- Dry operation
- Simple, intuitive operation
- The processing units can be individually adjusted or turned on and off electrically.
- Maximum productivity while maintaining machining quality
- The cross-machining principle guarantees optimum tool utilisation over the entire working width.
- Faster and simpler tool change within just a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise
- SMART-Features (optional): Automatische Werkzeugverschleißkompensation, Automatische Blechdickenmessung, Barcode - Scanner, uvm.



before



after

OPTIONS



[1]



[2]



[3]



[4]

Tool wear compensation SBM-L Siemens S7

[1] Bar code scanner for SBM Siemens S7

[2] Wireless thickness caliper ME 5000 (Siemens S7)

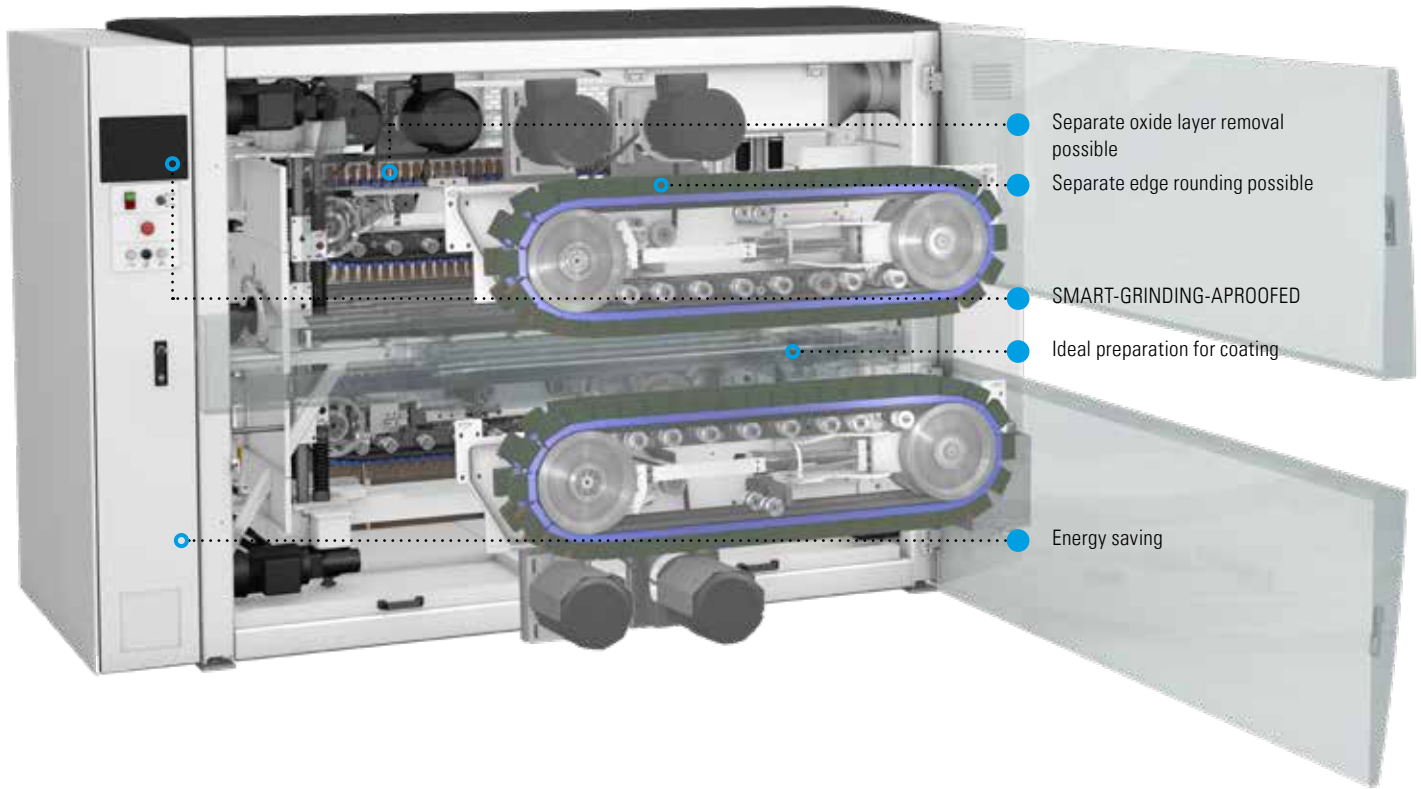
[3] ID-key switch (for Siemens S7 PLC)

[4] Special molding for processing of small parts

SBM-XL S2B2



EDGE ROUNDING ON BOTH SIDES AND OXIDE LAYER REMOVAL IN ONE OPERATION



FURTHER INFORMATION:



TECHNICAL DATA	SBM-XL 1500 S2B2
Working width max.	1500 mm
Workable material thickness	0.5 - 50 mm
Load	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3-PEN / 3-PE+N
Total current consumption	74.3 A / 67.5 A
Total power	33 kW / 32.9 kW
Insulation class	IP 42
Infinitely variable feed speed	0-4 m/min
Weight	4200 kg
Dimensions (W/D/H)	3600/2100/2000 mm



- Deburring and edge rounding of parts up to 120 mm material thickness
- Processing both sides of the parts simultaneously eliminates the need of turning heavy parts and processing them for a second time
- Simultaneous deburring and edge rounding on interior and exterior contours
- Dry operation
- Simple, intuitive operation
- The processing units can be individually adjusted or turned on and off electrically.
- Maximum productivity while maintaining machining quality
- The cross-machining principle guarantees optimum tool utilisation over the entire working width.
- Faster and simpler tool change within just a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise
- For repeated customer requirements, processing parameters can be called up quickly and easily through predefined programs.
- Up to 60 % work time savings compared to one-side processing grinding machines



before



after

OPTIONS



[1]



[2]



[3]



[4]

Tool wear compensation SBM-XL Siemens S7

[1] Bar code scanner for SBM Siemens S7

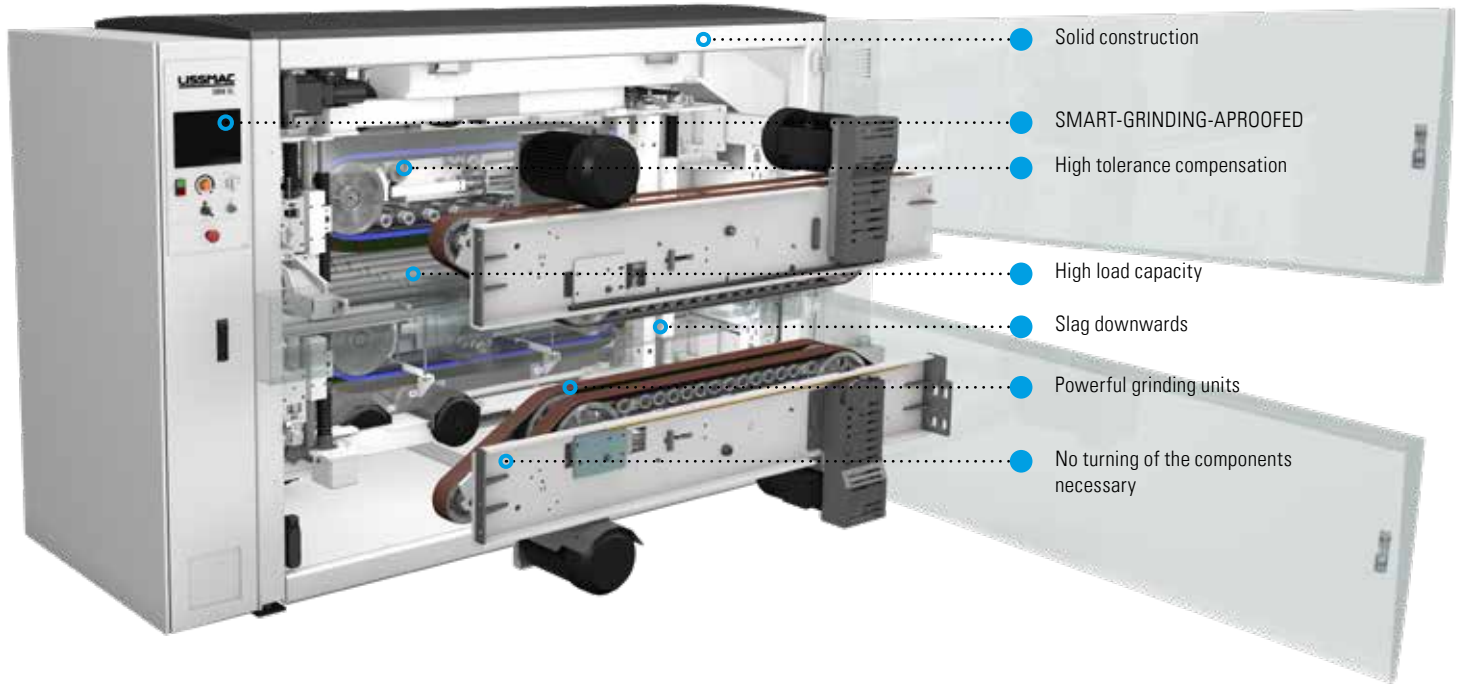
[2] Wireless thickness caliper ME 5000 (Siemens S7)

[3] ID-key switch (for Siemens S7 PLC)

[4] Special molding for processing of small parts

SBM-XL G2S2

DEBURRING AND EDGE ROUNDING ON BOTH SIDES IN ONE OPERATION



FURTHER INFORMATION:



TECHNICAL DATA	SBM-XL 1500 G2S2
Working width max.	1500 mm
Workable material thickness	0.5 - 50 mm
Load	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60 Hz
Network structure	3-PEN / 3-PE+N
Total current consumption	102.7 A / 89.5 A
Total power	49.8 kW / 49.6 kW
Insulation class	IP 42
Infinitely variable feed speed	0-4 m/min
Weight	4200 kg
Dimensions (W/D/H)	3600/2100/2000 mm



- Edge rounding and oxide removal of laser cut parts
- Two-side edge rounding and oxide removal saves the cost intensive turning of often very heavy workpieces or machining of parts twice
- Consistent edges on all outside and inside contours
- Dry operation
- Simple, intuitive operation
- The processing units can be individually adjusted or turned on and off electrically.
- Maximum productivity while maintaining machining quality
- The cross-machining principle guarantees optimum tool utilisation over the entire working width.
- Faster and simpler tool change within just a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise
- For repeated customer requirements, processing parameters can be called up quickly and easily through predefined programs.
- Up to 60 % work time savings compared to one-side processing grinding machines



before



after

OPTIONS



[1]



[2]



[3]



[4]

Tool wear compensation SBM-XL Siemens S7

[1] Bar code scanner for SBM Siemens S7

[2] Wireless thickness caliper ME 5000 (Siemens S7)

[3] ID-key switch (for Siemens S7 PLC)

[4] Special molding for processing of small parts



LISSMAC

SMD 133

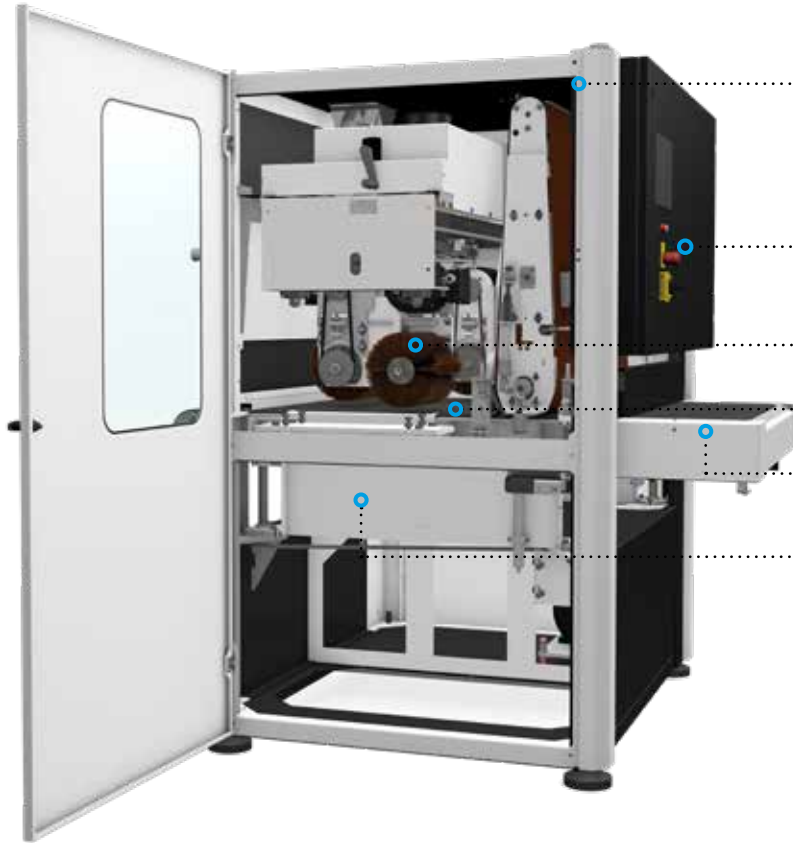


>> SMD 1 SERIES

The product range of single-sided dry grinding machines includes the particularly economical entry-level models of the SMD 1 series. Their range of applications extends from deburring and all-round edge rounding to the removal of heavy plasma or flame-cut slag.

SMD 123 RE

DEBURRING / EDGE ROUNDING / FINISHING

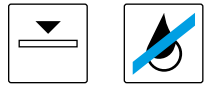


- Compact design
- Ergonomic and intuitive operation
- Directionless machining
- Energy-saving and quiet, as no vacuum is required
- Components from small to large
- Effective/optimal conveyor belt cleaning

FURTHER INFORMATION:



TECHNICAL DATA	SMD 123 RE
Working width max.	950 mm
Workable material thickness	1-50 mm
Load	200 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60Hz
Network structure	3~PEN / 3~PE+N
Total current consumption	42.3 A / 42.7 A
Total power	19.9 kW / 20.3 kW
Insulation class	IP 42
Infinitely variable feed speed	0.5 - 8 m/min
Weight	1750 kg
Dimensions (W/D/H)	1600/1800/1900 mm



- Versatile entry-level machine
- Removal of burrs (laser/punching/plasma-cutting)
- Two rotary wheels for consistent edge rounding and uniform surface finishing
- Surface polish without complex set-up work
- Suitable for steel, stainless steel, and aluminum
- Suitable for parts with up-forms
- Touch panel for intuitive operation
- Individual aggregates can be operated independently of each other
- Stepless grinding belt speed
- Quick and easy tool change
- Space efficient footprint



before



after

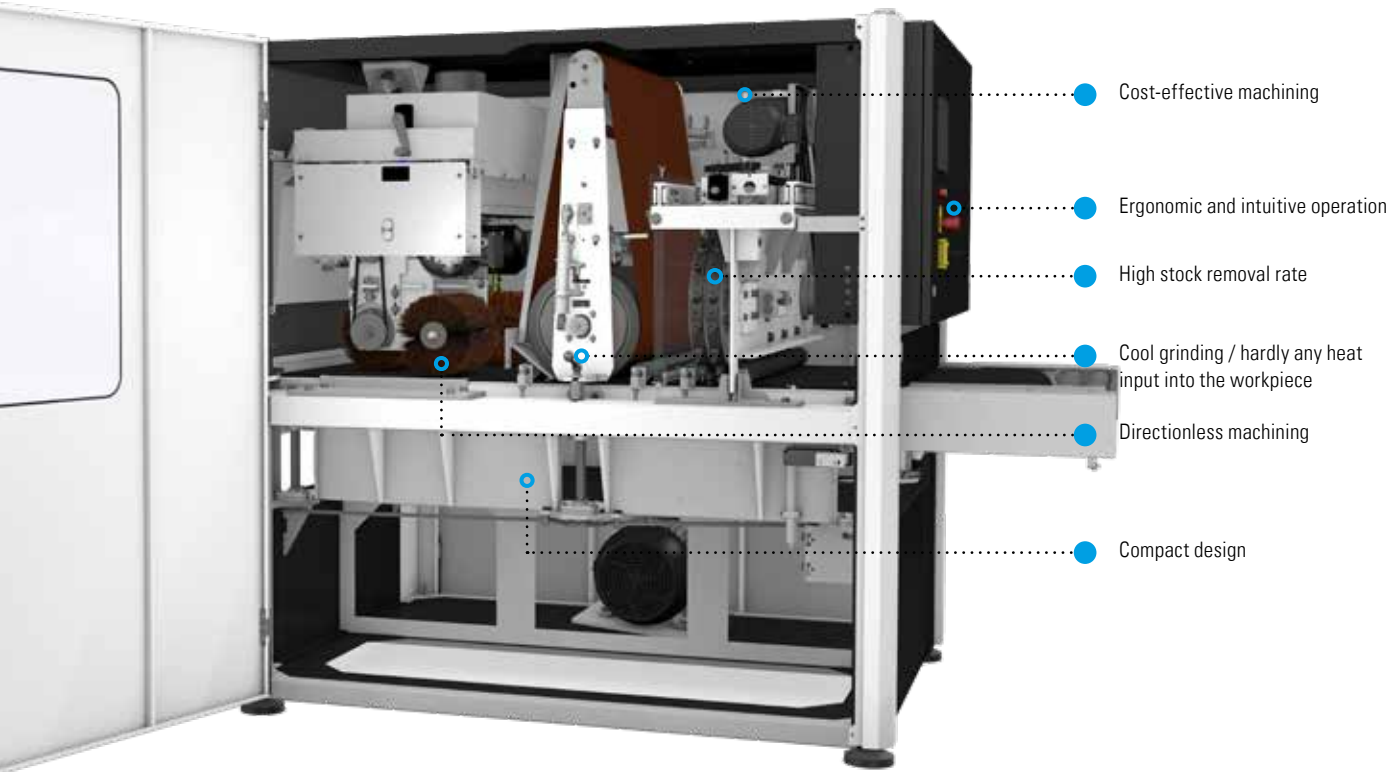
OPTIONS

Conveyor belt cleaning

SMD 133 DRE



SLAG REMOVAL / EDGE ROUNDING



FURTHER INFORMATION:



TECHNICAL DATA	SMD 133 DRE
Working width max.	950 mm
Workable material thickness	3 - 100 mm
Load	300 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60Hz
Network structure	3-PEN / 3-PE+N
Total current consumption	51.4 A / 51.4 A
Total power	23.5 kW / 23.9 kW
Insulation class	IP 42
Infinitely variable feed speed	0.5 - 8 m/min.
Weight	2900 kg
Dimensions (W/D/H)	1595/2665/1906 mm



- Removing slag, deburring and edge rounding in one throughfeed pass, saves time.
- The mechanical removal of slag by power-pins gives long tool life and reduces grinding costs enormously
- A soft, large diameter, contact roller, enables to process warped parts and accepts thickness tolerances
- Our 2 rotary heads give a perfectly even edge rounding
- Both mild- and stainless steels can be processed
- Intuitive controls make it easy to operate the machine
- Individual operation of each head
- High quality and solid construction
- The optimum accessibility of the machine enables easy tool change, cleaning and maintenance
- The compact construction of the machine requires limited floor space



before



after

OPTIONS



[1]

[1] Special molding for processing of small parts





>> SMD 3 SERIES / SMD 5 SERIES

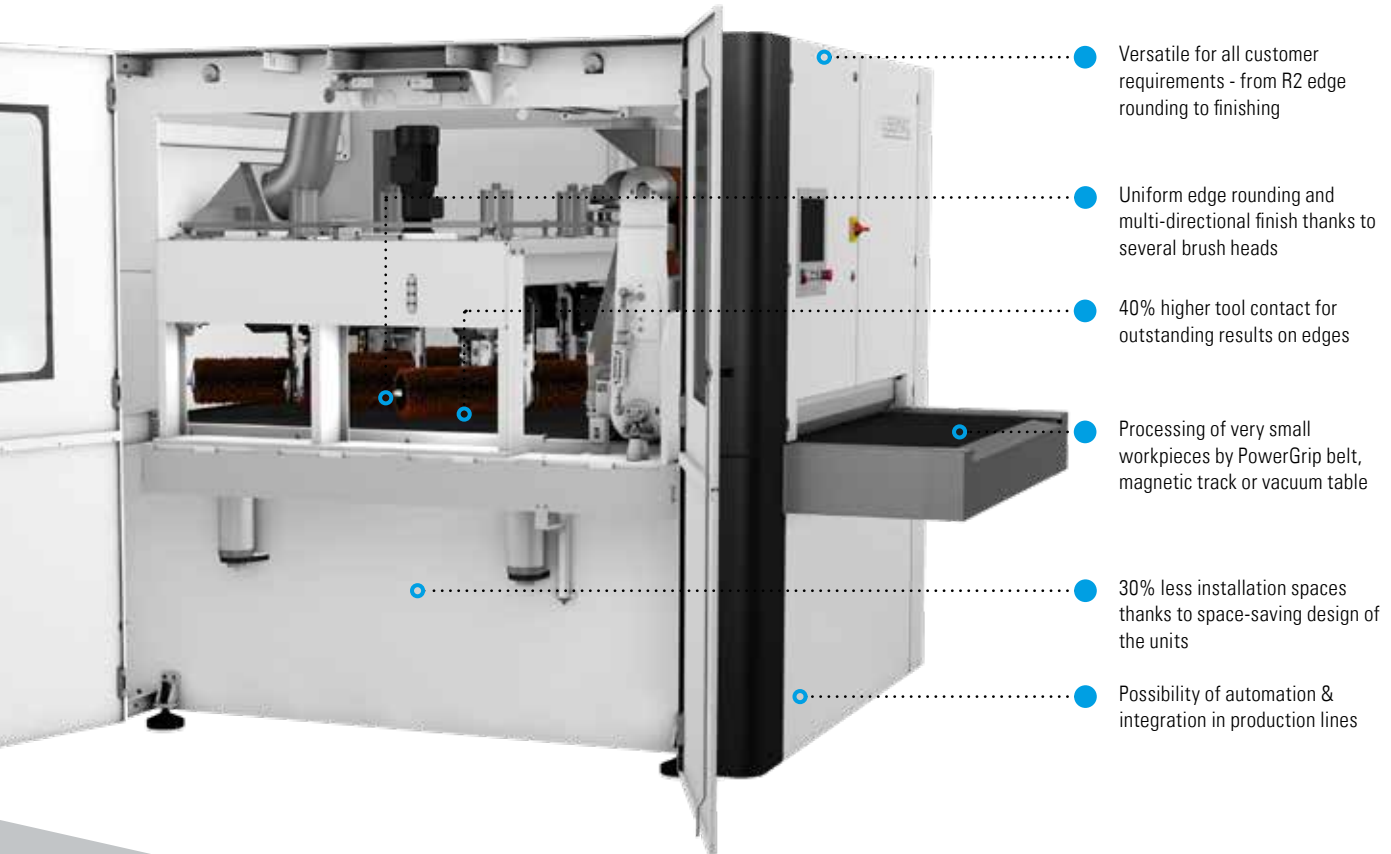
In the high-performance segment, the versatile models of the SMD 3 series are convincing. The range of applications extends from slag removal, deburring and uniform edge rounding up to a radius of 2.0 mm to surface finishing and small parts machining.

The range is completed by the SMD 5 series. The freely configurable models show their strength as real multi-talents for deburring and surface finishing.

SMD 3 S-EDITION



OUTSTANDING RESULTS ON THE EDGE AND ON SURFACE



Versatile for all customer requirements - from R2 edge rounding to finishing

Uniform edge rounding and multi-directional finish thanks to several brush heads

40% higher tool contact for outstanding results on edges

Processing of very small workpieces by PowerGrip belt, magnetic track or vacuum table

30% less installation spaces thanks to space-saving design of the units

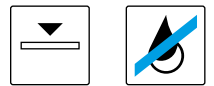
Possibility of automation & integration in production lines

FURTHER INFORMATION:



TECHNICAL DATA	SMD 335 REE	SMD 335 RER	SMD 345 REER
Working width max.	1350 mm	1350 mm	1350 mm
Workable material thickness	1 - 120 mm	1 - 120 mm	1 - 120 mm
Load (1)	500 kg/rm	500 kg/rm	500 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60Hz	400 V, 50 Hz / 480 V, 60Hz	400 V, 50 Hz / 480 V, 60Hz
Network structure	3~PEN / 3~PE+N	3~PEN / 3~PE+N	3~PEN / 3~PE+N
Total current consumption	58.2 A / 58.2 A	76.5 A / 76.5 A	86.2 A / 86.2 A
Total power	26.9 kW / 26.9 kW	37.5 kW / 37.5 kW	41.9 kW / 41.9 kW
Insulation class	IP 42	IP 42	IP 42
Infinitely variable feed speed	0.3 - 8.0 m/min	0.3 - 8.0 m/min	0.3 - 8.0 m/min
Weight	4700 kg	5200 kg	5800 kg
Dimensions (W/D/H)	2170/3300/2260 mm	2170/3800/2260 mm	2170/3800/2260 mm

²⁸ Specifications apply to the basic machine (PowerGrip-belt), without vacuum table/magnetic track / ⁽¹⁾ load with vacuum table 300 kg/rm



- Versatile for all customer requirements - from R2 edge rounding to finishing
- Uniform edge rounding and multi-directional finish thanks to several brush heads
- Creation of high-end grinding patterns and strong edge rounding
- Processing of sheets with coating, laser foil, imprints or punched-out holes
- Suitable for processing various materials including steel, stainless steel and aluminium
- Simultaneous processing of different material thicknesses is possible (E-units)
- The thought-out design of the rotary heads ensure an even processing result over the whole working width.
- Maximum tool contact with the workpieces for perfect edge rounding up to 2 mm radius
- Efficient processing of small parts (down to 50x50 mm), whatever the geometry of the pieces
- Stationary machine table - Constant table height for ergonomic work
- Intuitive operation thanks to clear touch panel
- Fast machine setting by automatic positioning of the tool axes.
- Program memory takes care of automatic machine settings and reproducible processing results
- Fast tool-changing system keeps set-up times to a minimum
- Optimal machine accessibility facilitates cleaning and maintenance
- Window in the machine doors allows to monitor the process
- Appropriate options and features for individual customer requirements

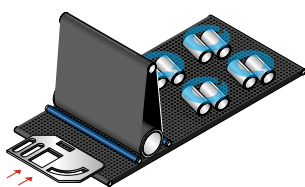


before

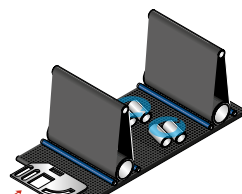


after

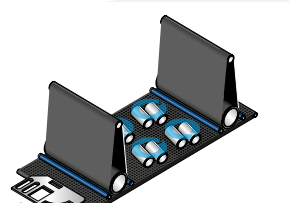
>> S-EDITION: AVAILABLE CONFIGURATIONS



SMD 335 REE



SMD 335 RER



SMD 345 REER

OPTIONS



[1]



[2]



[3]



[4]

Brush infeed table

Magnetic track 400 mm

[1] Vacuum table

Automatic conveyor belt cleaning

[2] Conveyor belt cleaning brush

EMZR - electro-motor positioning grinding head

Bar code scanner

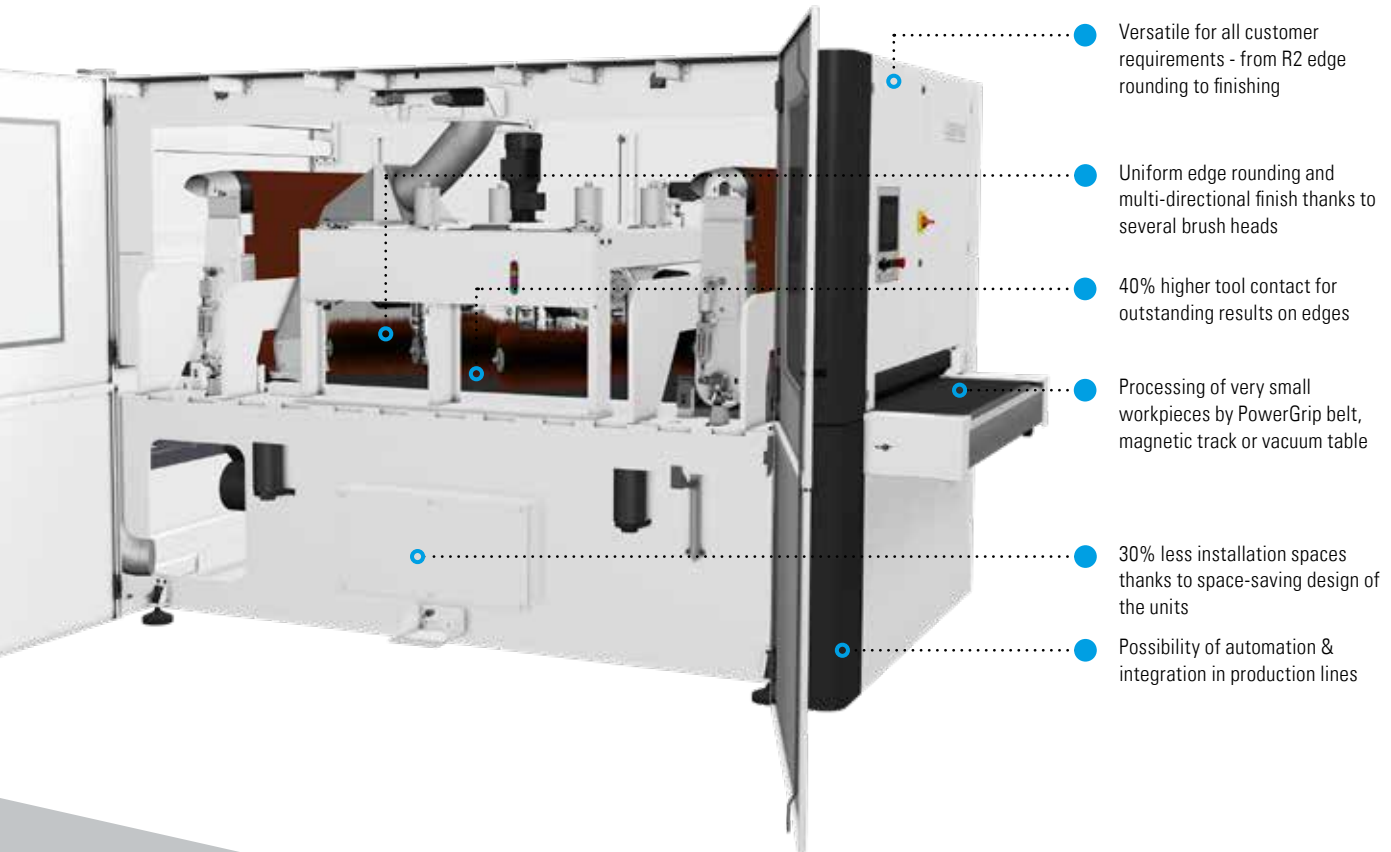
[3] Wireless thickness caliper ME 5000

[4] ID-key switch

SMD 3 P-EDITION



HIGHEST-END EDGE ROUNDING



- Versatile for all customer requirements - from R2 edge rounding to finishing
- Uniform edge rounding and multi-directional finish thanks to several brush heads
- 40% higher tool contact for outstanding results on edges
- Processing of very small workpieces by PowerGrip belt, magnetic track or vacuum table
- 30% less installation spaces thanks to space-saving design of the units
- Possibility of automation & integration in production lines

FURTHER INFORMATION:



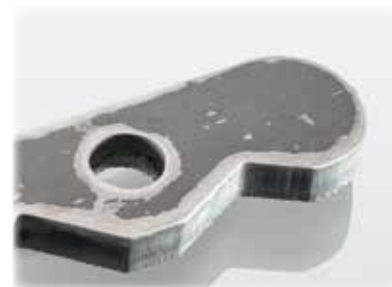
TECHNICAL DATA	SMD 335 REE	SMD 345 REER	SMD 335 DRE	SMD 345 DREE
Working width max.	1350 mm	1350 mm	1350 mm	1350 mm
Workable material thickness	1 - 120 mm	1 - 120 mm	1 - 120 mm	1 - 120 mm
Load	500 kg/rm	500 kg/rm	500 kg/rm	500 kg/rm
Voltage	400 V, 50 Hz / 480 V, 60Hz	400 V, 50 Hz / 480 V, 60Hz	400 V, 50 Hz / 480 V, 60Hz	400 V, 50 Hz / 480 V, 60Hz
Network structure	3~PEN / 3~PE+N	3~PEN / 3~PE+N	3~PEN / 3~PE+N	3~PEN / 3~PE+N
Total current consumption	58.9 A / 59 A	87.6 A / 87.6 A	56 A / 55.6 A	68.1 A / 67.7 A
Total power	26.9 kW / 26.9 kW	41.9 kW / 41.9 kW	25.5 kW / 25.5 kW	30 kW / 30 kW
Insulation class	IP 42	IP 42	IP 42	IP 42
Infinitely variable feed speed	0.3 - 8.0 m/min	0.3 - 8.0 m/min	0.3 - 8.0 m/min	0.3 - 8.0 m/min
Weight	5000 kg	5300 kg	6000 kg	5300 kg
Dimensions (W/D/H)	2170/3300/2260 mm	2170/3800/2260 mm	2170/3800/2260 mm	2170/3800/2260 mm



- Reduced tool costs by mechanical slag removal; no expensive grinding necessary
- Cool grinding - hardly any heat entry into the workpiece
- Warpage and tolerance compensation by large, soft contact roller
- Perfect edge rounding up to 2 mm radius
- Suitable for processing various materials including steel, stainless steel and aluminium
- Simultaneous processing of different material thicknesses is possible (E-units)
- The thought-out design of the rotary heads ensure an even processing result over the whole working width.
- Maximum tool contact with the workpieces for perfect edge rounding up to 2 mm radius
- Efficient processing of small parts (down to 50x50 mm), whatever the geometry of the pieces
- Stationary machine table - Constant table height for ergonomic work
- Intuitive operation thanks to clear touch panel
- Fast machine setting by automatic positioning of the tool axes.
- Program memory takes care of automatic machine settings and reproducible processing results
- Fast tool-changing system keeps set-up times to a minimum
- Optimal machine accessibility facilitates cleaning and maintenance
- Window in the machine doors allows to monitor the process
- Appropriate options and features for individual customer requirements

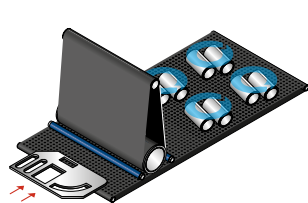


before

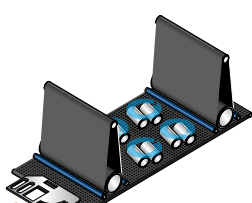


after

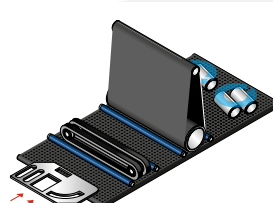
>> P-EDITION: AVAILABLE CONFIGURATIONS



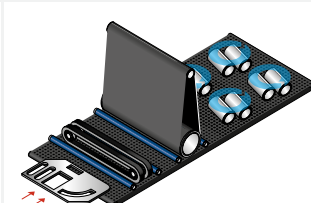
SMD 335 REE



SMD 345 REER



SMD 335 DRE



SMD 345 DREE

OPTIONS



[1]



[2]



[3]



[4]

Brush infeed table

Magnetic track 400 mm

[1] Vacuum table

Automatic conveyor belt cleaning

[2] Conveyor belt cleaning brush

EMZR - electro-motor positioning grinding head

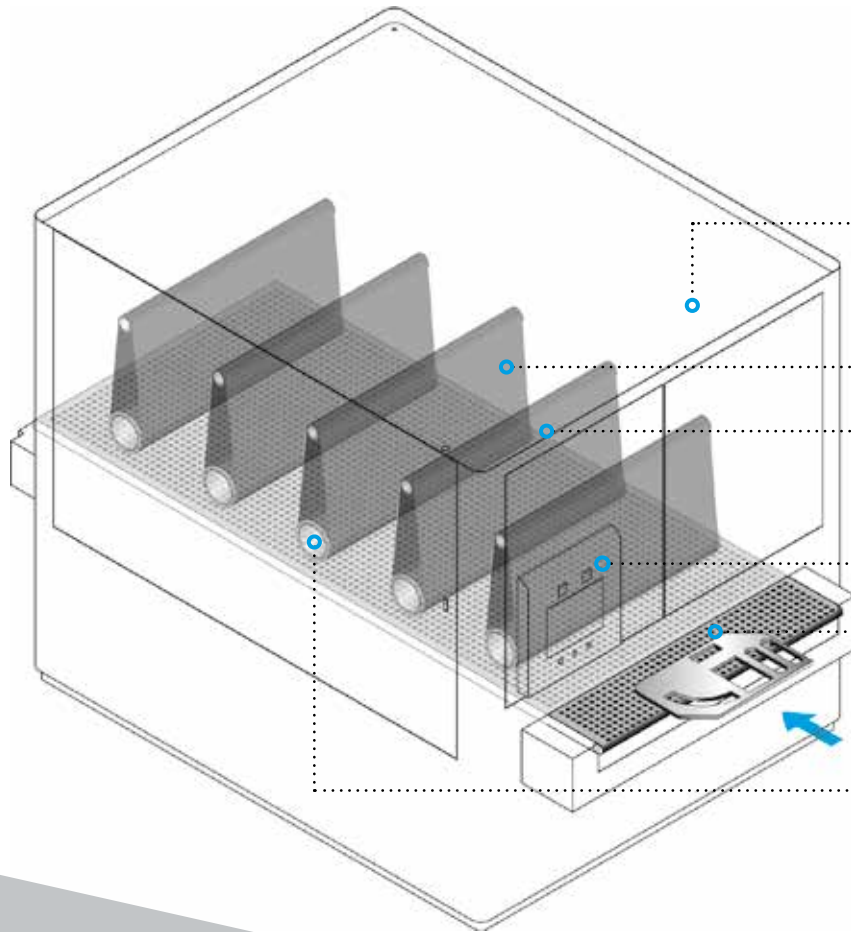
Bar code scanner

[3] Wireless thickness caliper ME 5000

[4] ID-key switch

SMD 5

DEBURRING / EDGE ROUNDING / OXIDE LAYER REMOVAL / FINISHING



- Versatile use for all customer requirements – from deburring, edge rounding to finishing
- Freely configurable up to 5 units
- Can be optionally equipped with abrasive belt, planetary head, top brush or barrel brush units
- Programme storage possible
- Small parts processing using a vacuum table or magnetic track
- Interchangeable cassette system allows flexible adaptation of the machine configuration

FURTHER INFORMATION:



TECHNICAL DATA	SMD 5
Working width	1350 / 1650 mm
Workable material thickness	0.5 - 160 mm
No. of heads	2 – 5
Compressed air	6.0 bar
Abrasive belt length	2620 mm



- Surface machining or deburring of workpieces up to 160 mm sheet metal thickness
- Freely configurable – individually customised to the customer's requirement
- High quality surface finish
- Simultaneous deburring of interior and exterior contours
- Dry machining
- Simple, intuitive operation
- The processing units can be individually adjusted or turned on and off electrically.
- Maximum productivity while maintaining machining quality
- Faster and simpler tool change within just a few minutes
- Modular and compact in modern machine design - smaller footprint
- Improved work environment - Reduction of dust, dirt and noise
- Can be used for a wide variety of materials – e.g., metals, plastics, rubber, etc.



before



after

OPTIONS



[1]



[2]



[3]

[1] Wireless thickness caliper ME 5000 (Siemens S7)

[2] Brush outfeed table

Workpiece cleaning device

Motorized workpiece cleaning brush

[3] Special molding for processing of small parts



SMW 543

LISSA

SMW 543

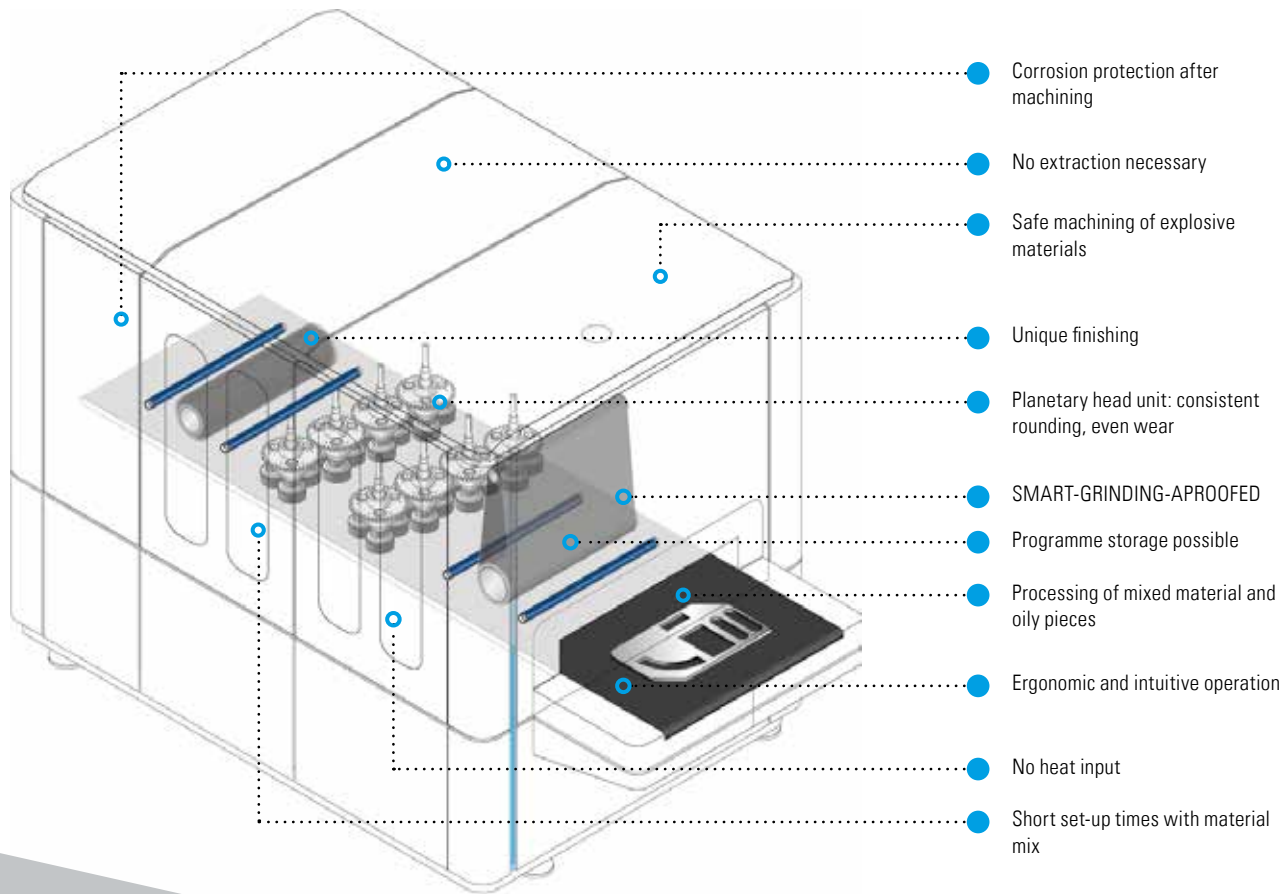


>> SMW 5 SERIES

The freely configurable wet-grinding models of the SMW 5 series are particularly convincing due to precise-fit machining for high-quality components and material mix. Thanks to the modular design and up to four machining units, these machines can also be flexibly adapted to changing customer requirements.

SMW 5

DEBURRING / EDGE ROUNDING / OXIDE LAYER REMOVAL / FINISHING



- Corrosion protection after machining
- No extraction necessary
- Safe machining of explosive materials
- Unique finishing
- Planetary head unit: consistent rounding, even wear
- SMART-GRINDING-APROOFED
- Programme storage possible
- Processing of mixed material and oily pieces
- Ergonomic and intuitive operation
- No heat input
- Short set-up times with material mix

FURTHER INFORMATION:



TECHNICAL DATA	SMW 5
Working width	2 - 4
Workable material thickness	950 / 1350 / 1650 mm
No. of heads	0.5- 120 mm
Voltage	400 V, 50 Hz
Network structure	3~ PEN / 3~ PE+N
Insulation class	IP 42



- Time saving operation when deburring and finishing in one pass
- Maximum protection when mixing critical parts such as aluminium, magnesium or titanium.
- No material contamination gives high quality parts, reduces tool change times and avoids re-work
- The cool process reduces the heat development in your parts
- Greasy parts can effectively be processed in a wet machine
- Wet grinding gives excellent results
- The dust free process keeps the working area clean for the operator and reduces health risks
- Clean parts after processing
- Intuitive operation via touch panel
- The efficient, external filtration unit gives long life of coolant and optimum working results. Besides this it provides maximum flexibility in the layout and easy access.



before



after

OPTIONS



[1]



[2]

[1] Wireless thickness caliper ME 5000 (Siemens S7)

[2] Brush outfeed table

KSS filter unit

