

chwamborn **NEWS**

News, how to make a perfect flooring



» WDS 530
» DSM 250S
» DSM 450

» DSM 530
» New vacuum cleaners

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WDS 530

The new WDS 530

Manual work on walls and ceilings is a thing of the past

The WDS 530 is a global first and finalist in the Bauma Innovation Award 2019 competition. Stripping, renovation and design work which previously had to be realised by hand can now be mastered mechanically with this Schwamborn development using professional grinding technology – achieving phenomenal surface quality.

The demands associated with stripping, renovation and design are also continuously increasing, both in ergonomic and efficiency terms, and the same applies to disposal costs, not least with regard to contaminated wall and ceiling coatings. With the new wall and ceiling grinder, the research and development department at Schwamborn has developed an innovative, user-oriented solution to tackle these challenges. We would like to present the most significant highlights:

Innovative, efficient and ergonomic

The WDS 530 incorporates over 50 years of experience in professional grinding technology for walls and ceilings. The WDS 530 has a hydraulic drive which can be operated through remote control of the robot. For the first time, this enables efficient grinding and refurbishing of extensive wall and ceiling areas, achieving an outstanding surface finish. Moreover, the WDS 530 considerably simplifies work and relieves stress. Prior to this, work was primarily realised through manual labour – with all the familiar disadvantages associated with labour costs and the ramifications for health.

Mechanical processes which were employed relatively infrequently were, on the one hand, not very gentle on the building fabric and, on the other, incapable of achieving coating removal results of even approximate precision. This was not the only reason the WDS 530 gained such admiration in the BAUMA Innovation Award 2019 competition.



Stripping – preserves building fabric and reduces disposal costs

Uniformly high contact pressure

The WDS 530 is designed for working with BROKK demolition robots. It enables the achievement of uniformly high contact pressure on walls and ceilings, with Cardan technology ensuring that the grinding head lies flat at all times on the surface, even on slopes of up to 6%. The machine can, depending on the task involved, be equipped with a variety of tools such as grinding diamonds for stripping during subsurface preparation. Tools for polishing walls and ceilings and bush hammering tools for subsurface preparation or surface design round off the range of accessories available.



More information about the WDS 530 can be found on our homepage

WDS 530 – manual work is a thing of the past

Innovative, efficient and ergonomic for stripping, renovation and design work on walls and ceilings with professional grinding technology, consistently high contact pressure and the achievement of phenomenal surface quality.



Options for use

Stripping of plaster, contaminated material, tile adhesive, paint; scarifying and bush hammering during subsurface preparation; grinding and polishing of concrete and natural stone on walls and ceilings

Technical data		
Reference N°		715700
Hydraulic operating pressure	bar	70 – 120
Hydraulic volume flow	l	> 45
extension stroke	mm	250
Power output	kW	4
Working width	mm	530
No. of tools	mm	3 x 200
Grinding pressure wall	N	1000
Grinding pressure ceiling	N	800
Operating weight	kg	220
Tool speed	min ⁻¹	400 – 1000
Dimensions LxWxH	cm	145 x 61 x 69,3
Ø Dust control	mm	1 – 4 x 76
Tool mount		ETX1 / ETX2
Noise level	db(A)	84



25 cm extension stroke

Special characteristics	
ETX easy tool exchange	
Cardan mounting of grinding head	
Careful stripping preserves building fabric	
Motor overload protection	
Contra-rotating tools	
Adjustable grinding pressure	
Speed adjustment	
Large selection of tools	
Remote robot/grinding head control	
Outstanding surface machining	
Precision removal of material	
Switching from wall to ceiling	
Multiple dust extraction option	
Working height up to 6.5 m	

Gaining ground even better

We present the perfect additions to the existing grinding program

The grinding professional can look forward to Bauma 2019 on some further developments in terms of grinding machines. The leading German manufacturer of Hi-Tech grinding machines fulfills a promise: To offer a suitable solution for every problem of floor treatment.

The edge grinding machine DSM 250 is a success story, because the swiveling grinding head enables professional surface preparation right up to the edge. However, anyone who wanted to polish design concrete or terrazzo floors to the end product by wet grinding was pushed to the limits. With the infinitely variable speed control and the water tank, the new DSM 250S fills this gap. The perfect supplement for professional applications.

In addition to the DSM 400, the DSM 450 is the powerful professional grinding machine for medium-sized areas up to approx. 500 m². The completely revised model family is now available with or without a water tank and as a 230 or 400V variant as well as in the new design. Moreover the machine is

equipped with a stepless speed controller, which allows grinding to the finished design floor and even more efficient work.

The DSM 450 allows grinding and polishing of concrete, natural stone, terrazzo, screed and asphalt, the removal of adhesives and coatings as well as putties and regulates bumps efficiently and ergonomically. The new abrasion-resistant wheels leave no traces and the ergonomic guide handle makes it easier to control and to move the machine. Like the previous version, it can be quickly dismantled for easy and uncomplicated transport.

As a powerful grinding machine for demanding applications, the new DSM 530 is the first choice. The completely revised classic offers an outstanding price-performance ratio for medium to large work surfaces and for grinding and polishing concrete, natural stone and industrial floors. The DSM 530 is ideally suited for bush hammering concrete, screed, asphalt and renovation work.

DSM 250S

DSM 250S – Subsurface preparation up to polishing

The new DSM 250S with pivoting grinding head for rimless grinding. The perfect addition to professional subsurface preparation and finishing of highly polished concrete and designer floors. Equipped with a water tank and continuous speed control for optimum wet grinding.

Applications

Rimless grinding of concrete, screed, asphalt, regulate uneven floors, remove adhesives, fillers, regulate uneven floors, fine grinding of natural stone, cast stone, terrace



More information about the DSM 250S can be found on our homepage



Practical water tank for wet grinding



Abrasion-resistant wheels (streak-free) for clean working

DSM 450 – Powerful professional grinder for medium-sized areas

The improved DSM 450 is available in three different variants: with/without speed control, water tank and as 230 or 400 V version. New compact design, speedily dismantled for simple, unproblematic transportation.

Applications

Grinding concrete, screed, asphalt, remove adhesives, coatings, fillers, remove adhesives, coatings, fillers, regulate uneven floors, grinding and polishing concrete, screed, asphalt, cast stone, natural stone



More information about the DSM 450 can be found on our homepage



DSM 530

DSM 530 – Powerful professional grinder for demanding applications

The classic for medium to large working surfaces, for grinding and polishing concrete, natural stone and industrial flooring. Ideal for bush hammering concrete, screed, asphalt and renovation work.

Applications

Grinding concrete, screed, asphalt, sticking of concrete, screed and asphalt, remove adhesives, coatings, fillers, regulate uneven floors, grinding and polishing concrete, screed, asphalt, natural stone, terrace



More information about the DSM 530 can be found on our homepage



Suction hose connection



Display with power display and operating hours counter



Our new range of vacuum cleaners optimized for working with our machines

Our new range of vacuum cleaners - optimized for working with our machines

As the leading German manufacturer of floor grinding machines, we have completely revised our vacuum cleaner and dust collector range. Higher performance and optimized alignment with our construction machines are the outstanding features of the new line.

"Ergonomics and employee protection are becoming increasingly important for the use of grinding machines," explains Managing Director Eckart Schwamborn. "That's why we completely overhauled the entire system of grinding machine, dust collector and dust extraction."

Overall, the suction power is increased, which leads to a lower dust load on the construction site, a higher area performance and a more interruption free work.

With 3-stage dust filtration: 1st stage for coarse dust, 2nd stage with 99.9% via a polyester pre-filter, 3rd stage via HEPA filter with 99.995%. The dust is collected in a transparent and easily transportable plastic bag (Longbag).

The new vacuum cleaner line thus increases ergonomics, user friendliness and simplifies disposal.

VACUUM-MACHINE COMBINATIONS

			DSM 250	DSM 400	DSM 450	DSM 530	DSM 530S	DSM 650S	DSM 650RC	DSM 800S	DSM 800RC	WDS 530	BEF 201	BEF 201V	BEF 204	BEF 250	BEF 250V	BEF 320	BEF 320V
	suction outlet Ø	suction capacity																	
STS 130	38 mm	170 m³/h																	
STS 260	50 mm	340 m³/h																	
STS 260A	50 mm	420 m³/h																	
STS 750	50 & 76 mm	520 m³/h																	
STA 300	50 mm	/																	
STA 550	50 mm	/																	
WSA 700P	38 mm	420 m³/h																	



More information about our new range of vacuum cleaners can be found on our homepage

BEF 204

BEF 204 – With integrated edger

The screed milling machine with integrated edger. Indispensable for effective removal of flooring irregularities and protrusions and milling off coatings on small areas.

Applications

Removal of uneven floors, supernatants, milling off coatings



More information about the BEF 204 can be found on our homepage



Carrying handle for effortless transportation



Continuous height adjustment of guide rod

Quality Made in Germany



Research & development

Our engineers continually develop innovations in Germany with know-how Made in Germany which really help you to gain ground.



Production

We manufacture in Germany directly at the company location. This ensures short communication channels during development of our machines and continuous feedback between development, application engineering and production.



Quality management

We are certified pursuant to ISO 9001, enabling us to prove our quality management at all times in each production step through constant audits and continuous improvements.



Storage

Anybody who needs spare or wear parts requires short-term deliveries. Our warehousing system enables us to guarantee exactly this and ensures that you remain productive at short notice and at all times.



Customer training

Any machine is only efficient if it is operated competently and configured to suit the task and on-site conditions. We offer customer training seminars for this purpose that help you to really gain ground.



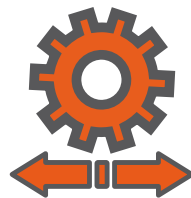
On-site application engineering

The after-sales service provided by our application engineering department is our greatest strength. We provide on-site technical support for the customer, offering advice on the choice of tools and help with specific problem solutions.



Machine repair and maintenance

Well equipped with logistics networks, we provide short-term maintenance and repair of your machines where necessary. This improves durability and reduces the susceptibility of your hi-tech machines to faults.



24 h spare parts service

We provide a 24-hour spare parts, tools and accessories service all over Germany. We use express delivery in all other countries - ensuring you receive your order as soon as possible!

Schwamborn Gerätebau GmbH
Robert-Bosch-Straße 8
P.O. Box 1109
73117 Wangen / Göppingen
Germany

Telephone: +49 (0) 7161 2005-0
Fax: +49 (0) 7161 2005-10

info@schwamborn.com
www.schwamborn.com