



Surface Grinders

BASIC- & SOLUTIONgrinder

Retrofit & Benefits

BASICgrinder

„PACEMAKER“ FOR SURFACE GRINDERS

Retrofit instead of buying new

A retrofit often makes more sense than the costly replacement of existing systems with completely new investments.

With the two cost-effective variants BASICgrinder and BASICgrinder Plus, we have developed a „pacemaker“ for outdated surface grinding machines. The machines are upgraded and modernized to meet the latest standards.

Any of the machines in the field only have a rough infeed in the Z-axis; grinding segments, such as modern DORFNER segments, can therefore only be used under suboptimal conditions and a large part of the performance is lost.

Converting a machine to a BASICgrinder eliminates the major weaknesses by replacing the control system, control panel and encoder.

Increased availability

The availability of your machine is increased and reliability is guaranteed.

With the new control system and software specially designed for surface grinders, your machine is capable of ultra-fine infeed. This greatly reduces tool wear and the high quality DORFNER segments we use are used closer to the working window.

The machine is operated via a touch screen, eliminating the outdated, cumbersome and confusing switch operation.

On-site conversion

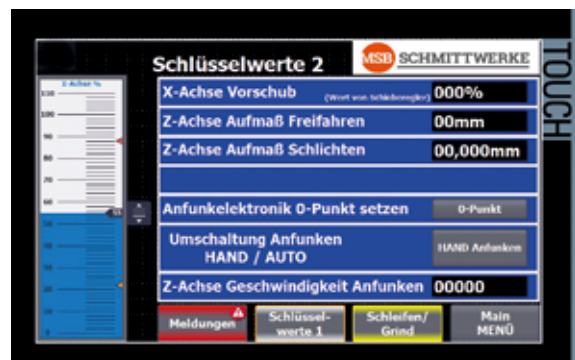
Another major advantage of this conversion option is the low production downtime. Your machine remains on site and the conversion is completed in three to five working days.

With the BASICgrinder Plus variant, it is also possible to replace the old axle drives and axle motors with new ones. The star-delta starting can be replaced by state-of-the-art electronics.

Step by step towards Industry 4.0

Make your machines fit for the future; increase your competitiveness with the BASICgrinder retrofit.

Cumbersome and confusing switch operation is a thing of the past. The machine is operated via a modern touch screen.



Pictures: BASICgrinder 12" touch screens

SOLUTIONgrinder

VIELE HIGHLIGHTS FÜR MEHR EFFIZIENZ

Leaves no customer wishes unfulfilled

When developing the SOLUTIONgrinder, the topic of segment surface grinding was thought through to the end. After a thorough analysis of the market, we have developed solutions for all user requirements. The result is the SOLUTIONgrinder, which has many innovative highlights in store for you. When converting the surface grinding machine to the SOLUTIONgrinder, the entire electrical system of the machine is replaced and the mechanics overhauled. As a rule, the machine can remain on your premises and the conversion is completed in one to two weeks. Instead of a retrofit, we can also offer you a completely new machine.

Increasing productivity

When evaluating the market analysis, the main focus was on increasing productivity. This is achieved by saving on personnel costs, lower power consumption and less use of tools. Thanks to specially developed software and state-of-the-art drive technology, you can reduce the throughput times of your products. With the individually designed software, you have all relevant process data at a glance. Excel lists are stored on your server or can be made available to your ERP system via OPC UA if required; and all information is also available to you via smartphone. Thanks to state-of-the-art drive technology, the machine accelerates to a feed speed of 60 m/min in just 300 mm - the sanding motor speed is infinitely variable up to 1500 rpm. If you make optimum use of the new possibilities, a grinding time reduction of over 50 percent is possible.

Get added value from your existing surface grinding machines with a retrofit, or replace your old machines with new ones.

Unmanned grinding

The fully automatic SOLUTIONgrinder enables reliable unmanned sanding operation and guarantees consistent quality.

Thanks to the fully automatic operation of the SOLUTIONgrinder, multi-machine operation is extremely easy. The self-explanatory touch menu navigation means that the machine no longer needs to be operated by a specialist; CNC knowledge is not required.

Secure remote maintenance in a new dimension

- ✓ Fast response times in the event of faults
- ✓ Thanks to our own server landscape, no dependence on cloud services
- ✓ Diagnosis and optimization down to the deepest levels of the drivetrain
- ✓ Process optimization during ongoing operation

Employees and environment protection

Not only the protection of employees is important, the environmental aspect also plays a major role. With a full machine cover and an effective extraction system, these points are taken into account to a high degree. In hohem Maß Rechnung getragen.

30-year spare parts guarantee

A 30-year spare parts guarantee on control components makes the product future-proof and economical.



Picture: SOLUTIONgrinder 15" touch screen

MSB Schmittwerke

WE CAN DO MORE THAN CLASSIC RETROFIT!

We bring your machine up to the latest state-of the-art

Do you want to increase the efficiency, performance and service life of your machine? With Retrofit & Benefits, the answer is increased productivity, time savings and the preservation of existing systems and machines.

Our qualified specialists have developed highly efficient and innovative solutions for the modernization of old surface grinding machines. Our experienced team in the fields of electrics, control technology and mechanics will reliably implement your requirements.

Retrofit or new purchase?

A retrofit is not always the best solution, so we work with you to carry out a cost-benefit analysis to find out whether it makes sense to overhaul the machine or purchase a new one.

We offer you professional expertise combined with a high degree of flexibility.

As a traditional mechanical engineering company, we work worldwide with around 150 employees in the following divisions: Special Machinery, Contract Manufacturing, Electrical & Control Systems as well as IBS Mining and Tunnelling.

We are a competent manufacturer and service provider for industry across all sectors. At our Bischofsheim site, we have been developing efficient solutions for complex customer requirements for over 120 years. We are characterized by the highest quality and flexible services.

As a customer, you benefit from customized solutions from a single source.

Find out more about our possibilities.
We will be delighted to advise you.



Your contact person:

Mr. Kevin Fink

☎ +49 9772 9111-366

✉ controls@schmittwerke.com



Picture: SOLUTIONgrinder Type 6000SM

MSB GmbH & Co. KG | Lindenstrasse 12 | 97653 Bischofsheim/Rhön | Germany

info@schmittwerke.com | www.schmittwerke.com | ☎ +49 9772 9111-0

Management: Jürgen Enders, Martin Hein



www.instagram.com/msbschmittwerke



www.facebook.com/msbschmittwerke



State: 2024/01

Machines that move. With precision.