



PLANT AND MACHINES

Drilling machines

Wassmer Spezialmaschinen GmbH

Steinmattenstrasse 5
D-79423 Heitersheim

Telefon +49 7634 5113 0
info@wassmer.de

Wassmer
GRUPPE

Drilling machines

Drilling machines for block, wedge and plate formats.

Depending on the material, the machines can be designed for dry or wet operation.

Extensions, options:

- automatic loading and unloading systems, as well as integration into a complete plant
- Robotics
- Quality assurance
- Measurement
- Labelling, marking
- Extraction, water treatment
- Manual or automatic adjustment

DESIGN ACCORDING TO CUSTOMER REQUIREMENTS

All plants and machines are designed and manufactured according to the specified requirements of the customer and the product.



Table of contents

Horizontal drilling machine HB 01	Page 4
Machine examples Drilling	Page 5
Drilling centre SPS	Page 6
Slide plate drilling machine VBW-2	Page 7
Vertical drilling machine WBM	Page 8
Machine examples WBM	Page 9
Machine examples Drilling stations	Page 10
Drilling stations	Page 11

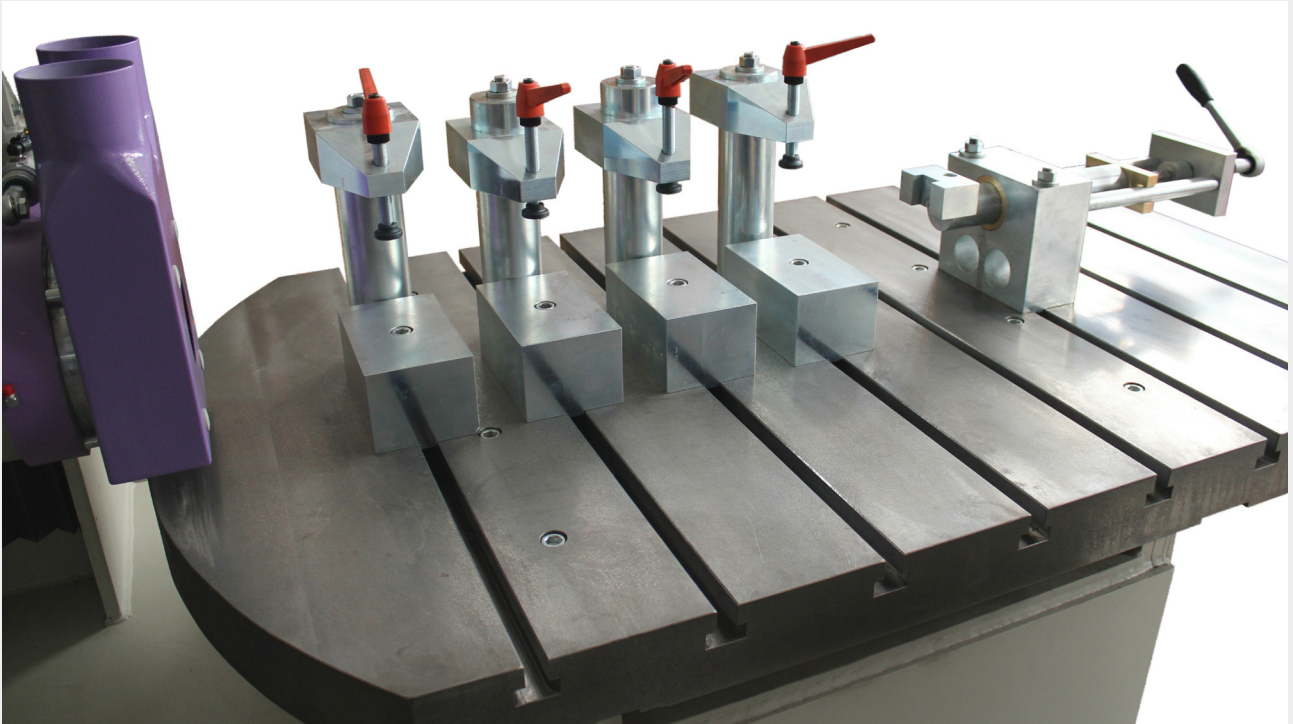


Horizontal drilling machine HB 01

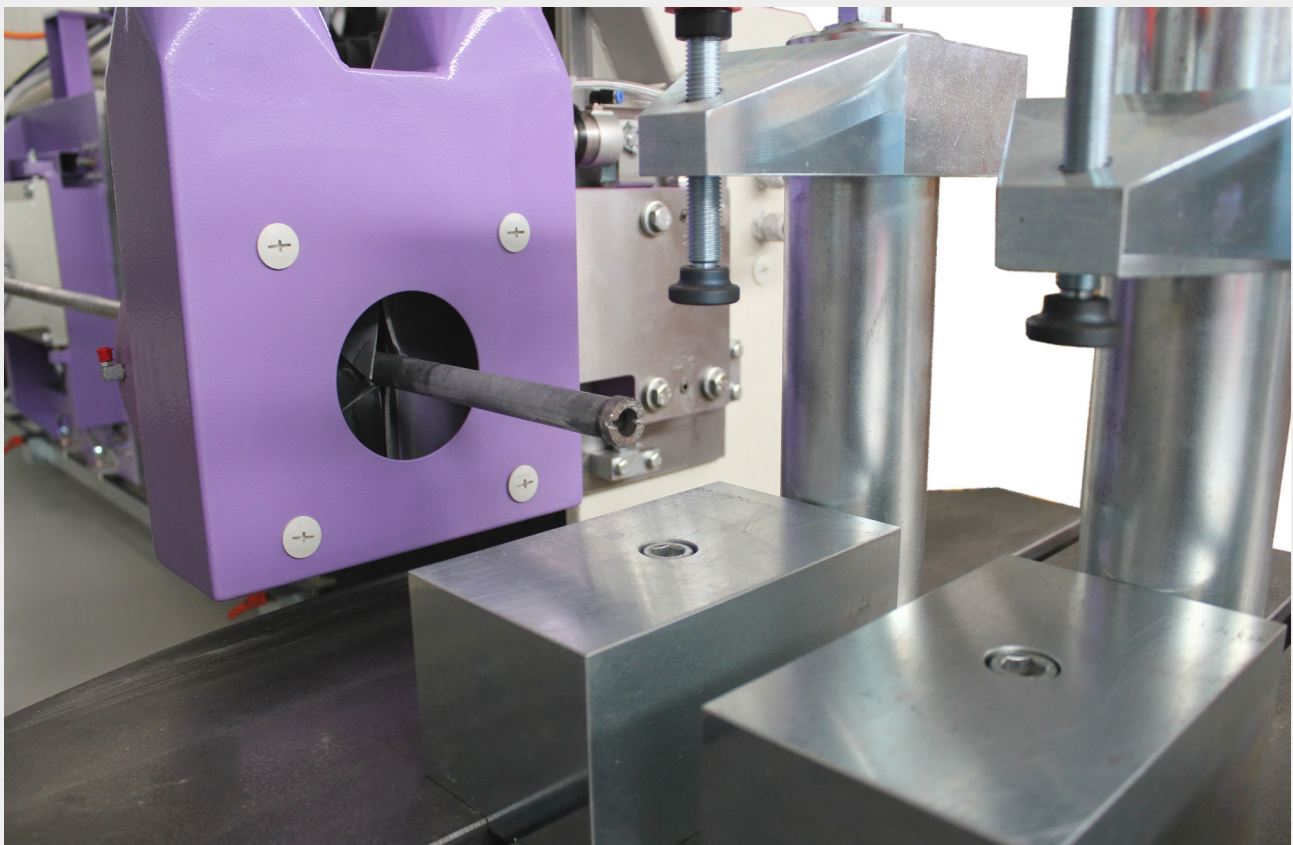
The HB-01 is a machine with a drilling spindle for horizontal drilling in the dry process.

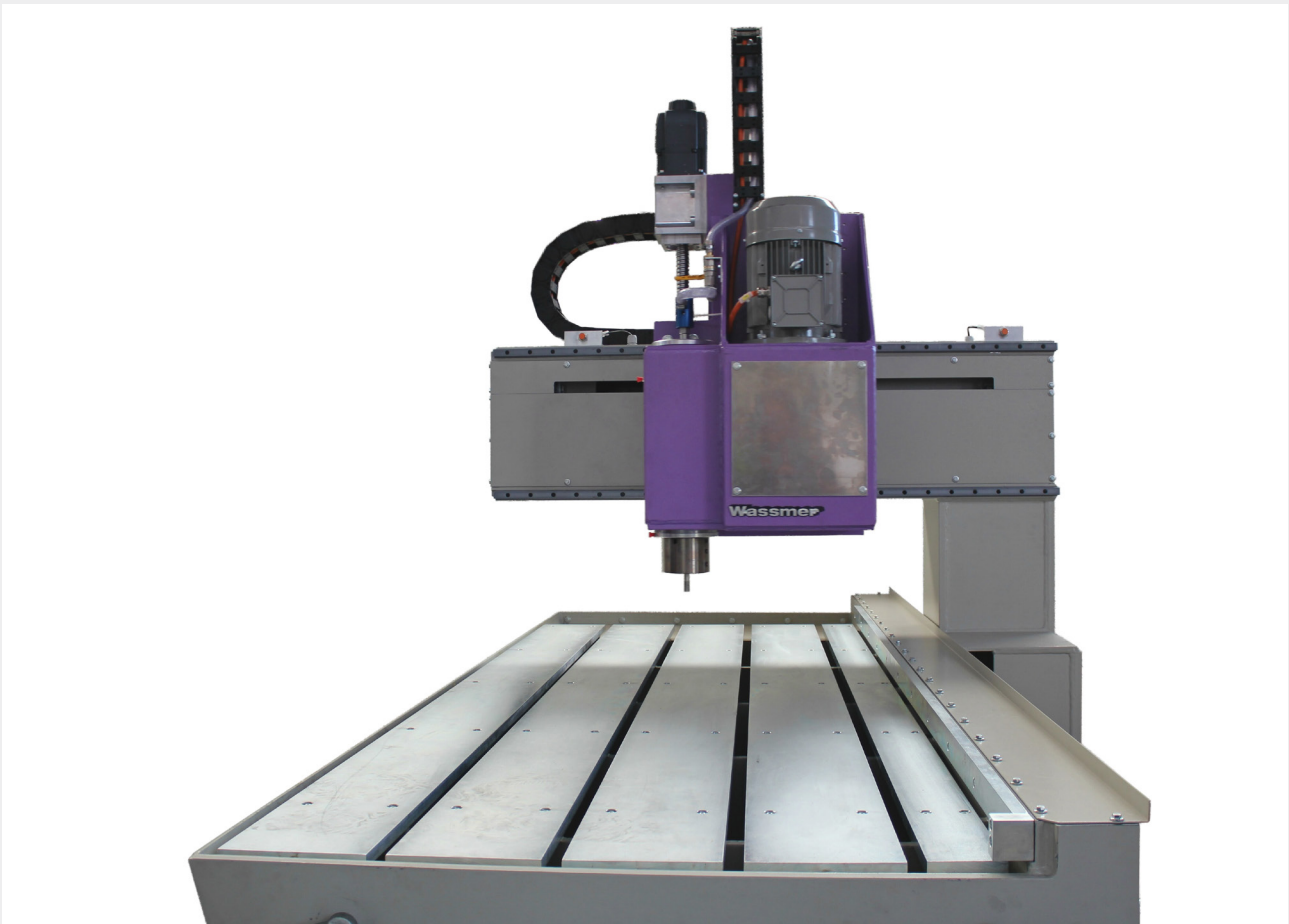
The work table is fixed and has T-slots. The manually adjustable clamping devices are mounted on the work table and can be moved individually. When drilling, the drill is centred.

- Horizontal drilling spindle
- Automatic centring
- Drill lengths up to 1.400mm
- Dry processing
- Air flushing through the drill
- slot table
- Clamping devices
- Continuously variable speed
- Continuous feed
- Control system SPS



Machine examples Horizontal boring machine





Drilling centre SPS

The basis of the drilling machine is a machine stand in welded construction with a torsionally rigid arm and a drilling unit for precise machining of boreholes, grooves and simple cut-outs. All guides are equipped with pre-tensioned linear units and the positions are approached via toothed belts or toothed racks and servo motors.

- Vertical drilling spindle
- Support table and special clamping elements
- Dry and wet machining possible
- Air flushing or cooling water through the drill spindle
- slot table
- Continuously variable speed
- Continuous feed
- Control system SPS



Slide plate drilling machine VBW-2

The machine was specially developed for tear-free and precise drilling of slide plates. The plate is placed manually on the work table and aligned via adjustable stops and a laser.

A pneumatic clamping device presses the plate onto the support with the required force. The VBW-2 has 2 drilling units. Drilling is done from above and from below.

After starting the drilling process, the drilling spindles move towards the slide plate at high speed.

When they reach the slide plate, they switch to drilling speed and the plate is drilled.

The lower drill spindle drills about 1/3 of the drilling depth and then moves back to its end position.

The upper drill spindle drills to 2/3 plus 1 - 2 mm of the drilling depth. Then it moves back to its starting position in rapid traverse.

- 2 drilling spindles
- Clamping device Slide plates
- Wet processing
- Continuous feed
- Continuously variable speed
- Drill core removal
- Control system SPS

Vertical drilling machine WBM

This drilling machine is designed for ceramic products in various fields of application. The solid design is suitable for use in a laboratory and production.

- High-precision drilling spindle with internal cooling water supply
- Tool holders for crown and solid drills (R1/2" and UNC holders). Other holders are offered as an option
- offered as an option
- Stepless speed control drill spindle
- Automatic infinitely variable feed control or manual feed
- Adjustable start and end point with automatic rewind
- Machine table with grooves
- Clamping devices optional
- Linear table for line drilling and long holes optional
- Dividing head for drilling around the circumference optional
- Swivelling of the drilling unit optional



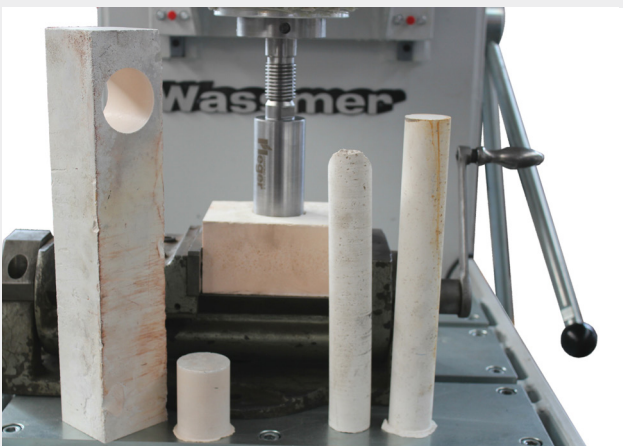
► Large version



► Manual feed



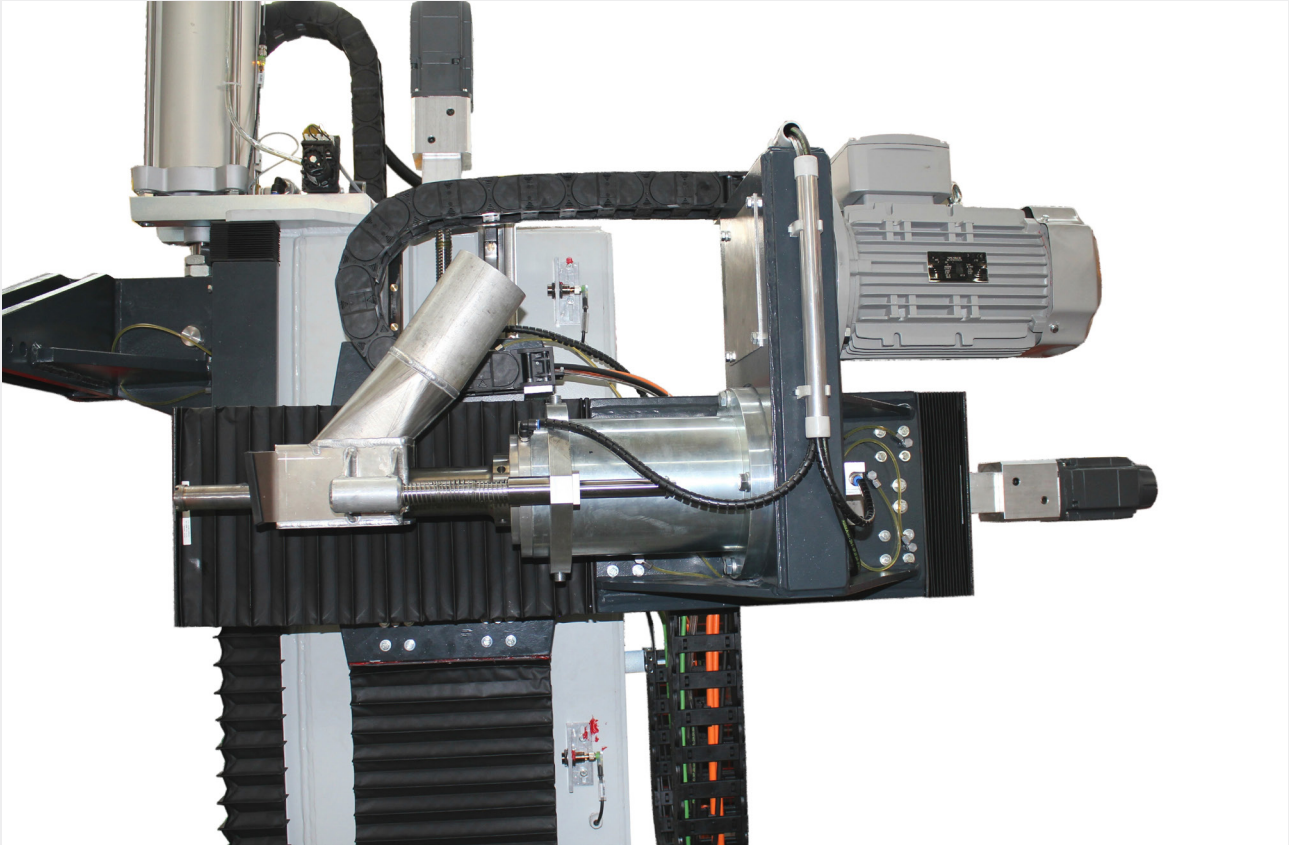
Machine examples WBM



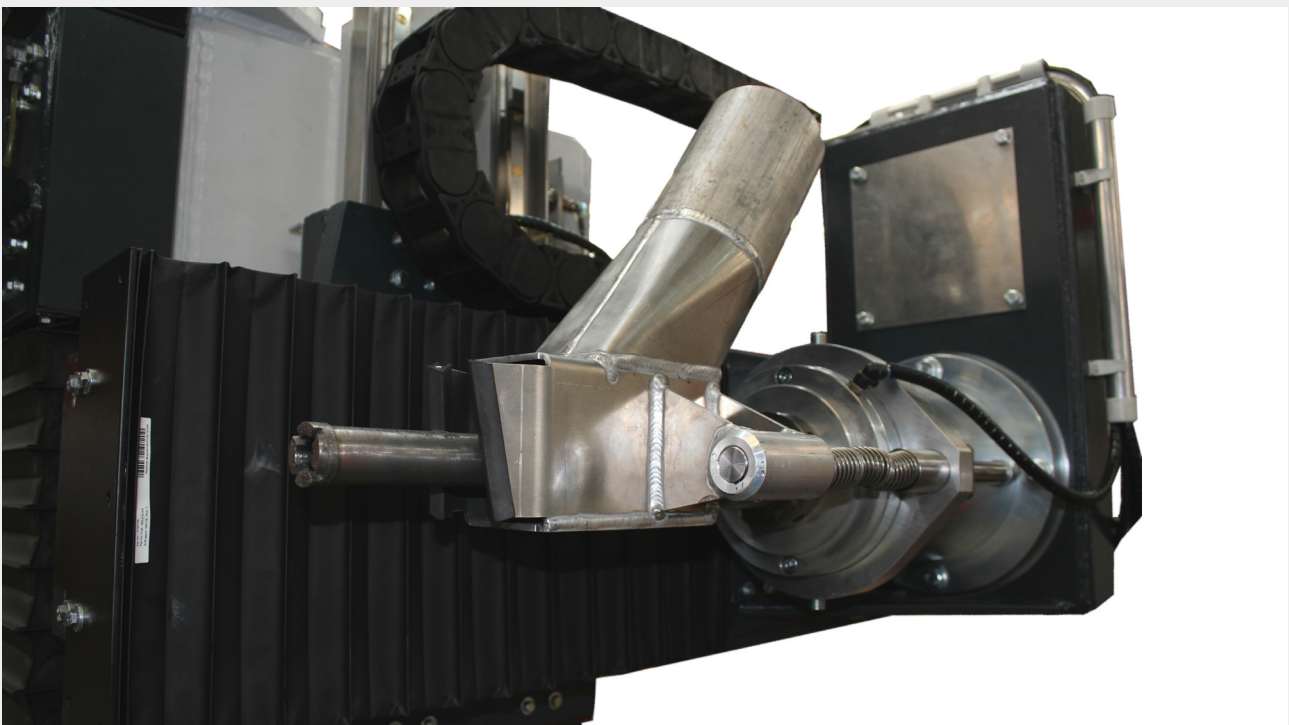
► Laboratory samples



► Automatic control

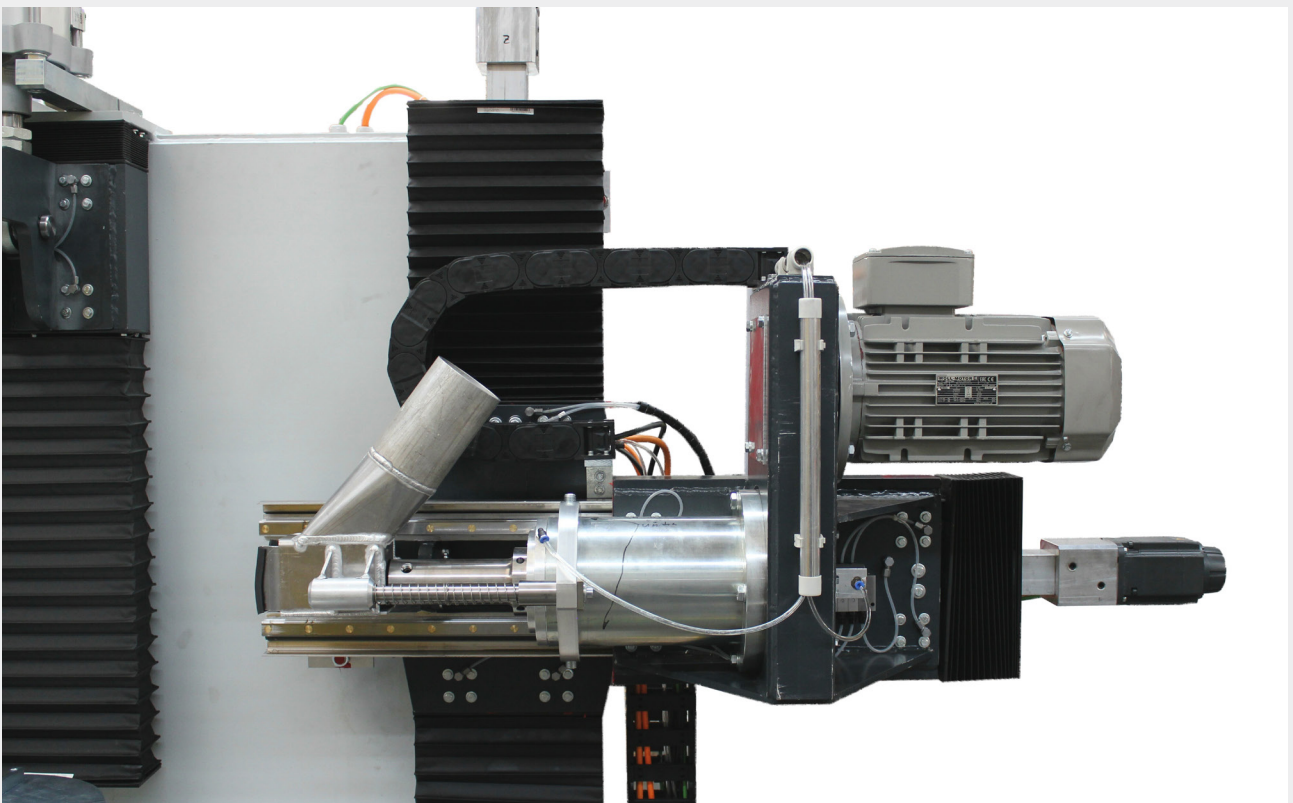
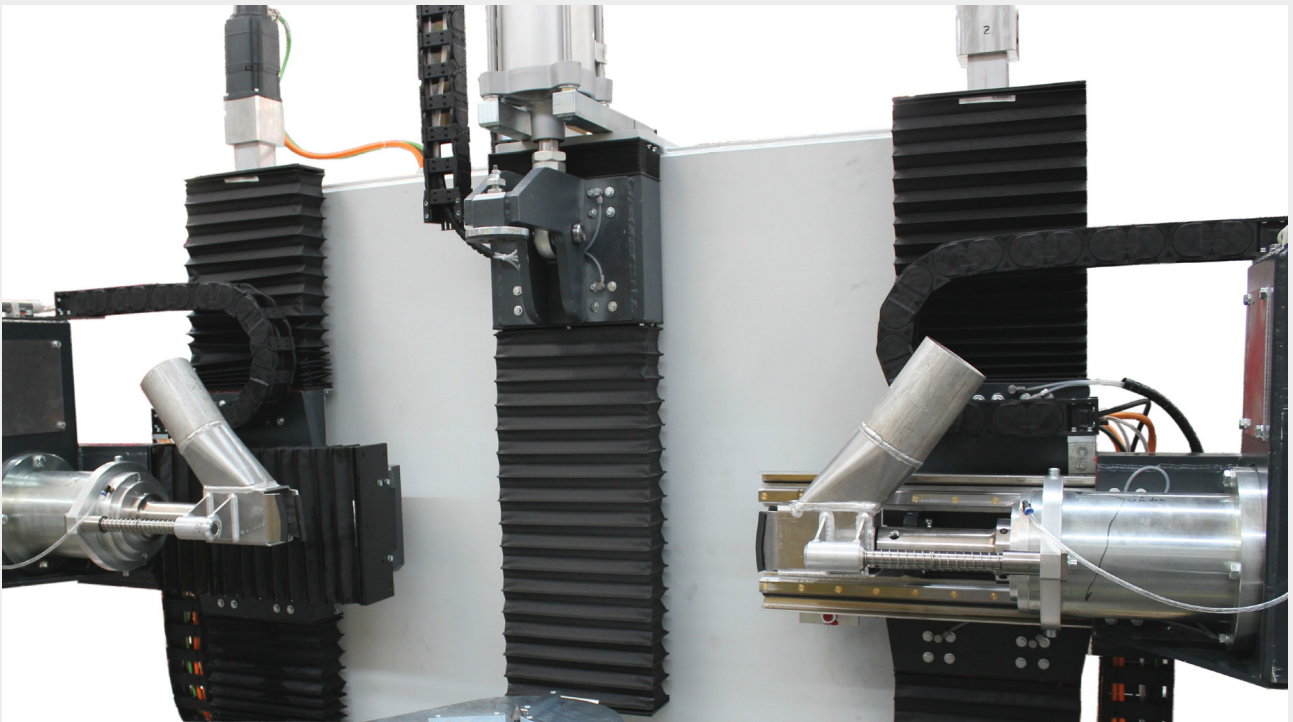


Machine examples Drilling stations



Drilling stations

These drilling stations are specially designed for dry operation. The units are adjusted via servo motors and ball screws. Various designs and combinations are assembled according to requirements. Depending on the application, the tools are diamond, solid carbide and HSS drills.





Overview of info material:

- Single sided grinding machines
- Two-sided and three-sided grinding machines
- CNC-controlled machines
- Sawing machines
- **Drilling machines**
- Complete refractory systems, technical ceramics
- Complete systems for graphite machining
- Plants for building materials and ceramics
- Lamination machines

Wassmer
GRUPPE



Wassmer Spezialmaschinen GmbH

Steinmattenstrasse 5

D-79423 Heitersheim

Telefon +49 (0)7634 5113-0

www.wassmer.de

info@wassmer.de