



# PLANT AND MACHINES

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## CNC processing machines

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## CNC processing machines

The machining centres are designed specifically for the products for a wide range of applications and, depending on the application, have one or more units, tool magazines, measuring, special tables and clamping devices.

The machines can be designed for dry or wet operation, depending on the Material.

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.



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## CNC-Machining centre with steel grooving table

### Operation & Control:

- 3. axes in X, Y, Z direction
- C-axis, 90° rotatable, thus extended travel range in X and Y direction when using additional units.
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service

### Special version:

Heavy steel grooving table in two parts,  
linear magazine, automatic tool  
measurement, protective housing with  
sliding doors



**Special version:**

Linear magazine with automatic cover, bellows covers for all linear axes, sealing air in the bellows, additional table suction, plastic table covering with cross grooves

## CNC-Machining centre with table extraction

### Operation & Control:

- 3. axes in X, Y, Z direction
- C-axis, 90° rotatable, thus extended travel range in X and Y direction when using additional units.
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service



Machine examples  
Vacuum table





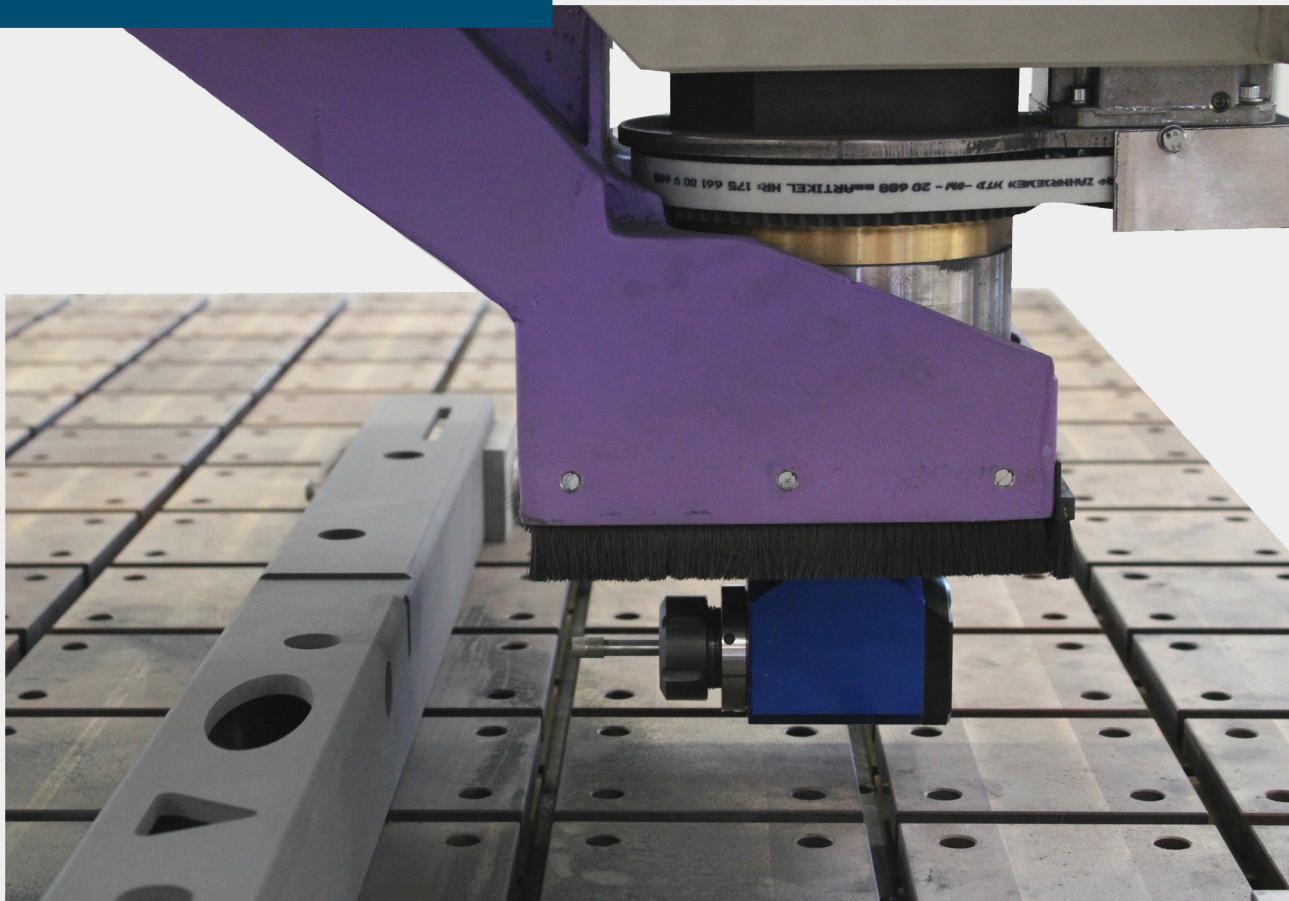
## CNC-Drilling and milling centre

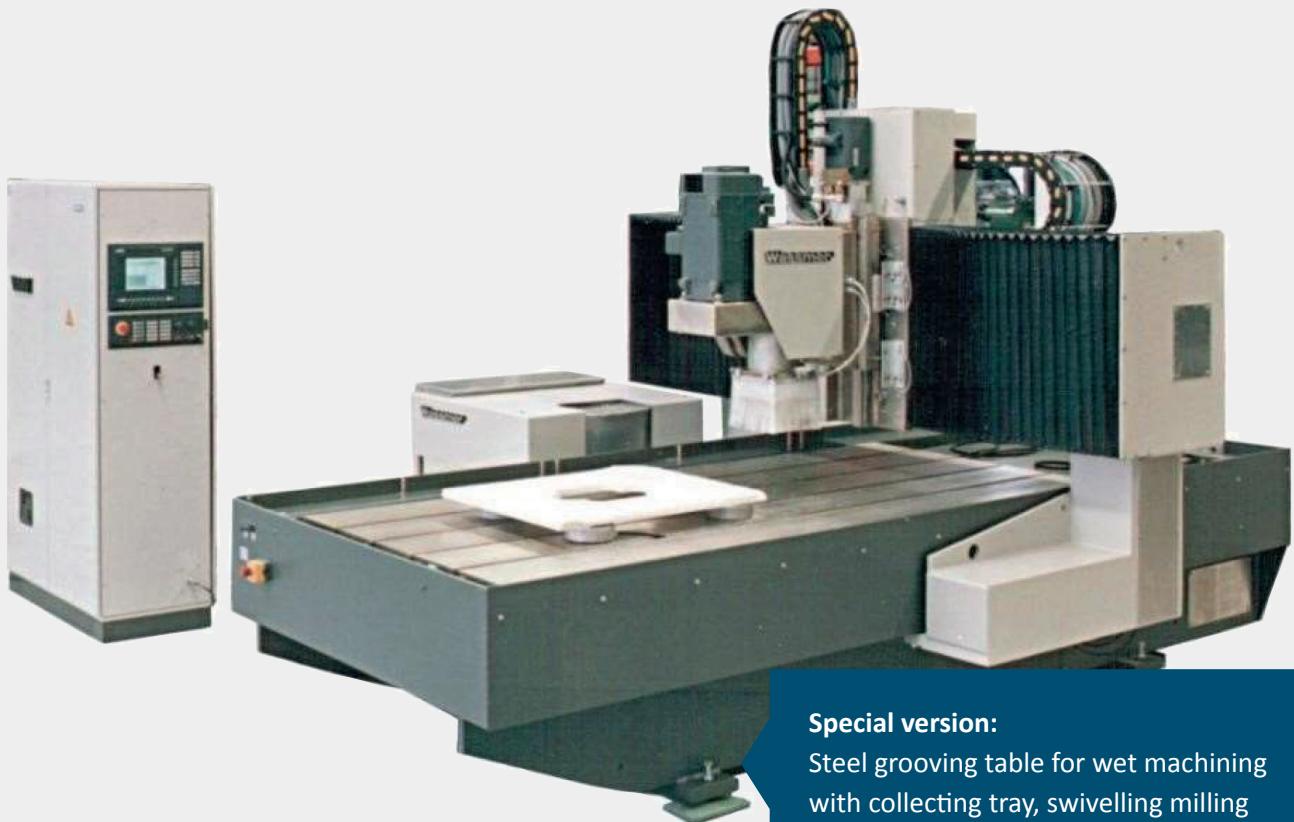
### Operation & Control:

- 3. axes in X, Y, Z direction
- C-axis, 90° rotatable, thus extended travel range in X and Y direction when using additional units.
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service



Examples  
of machines





**Special version:**

Steel grooving table for wet machining with collecting tray, swivelling milling unit, travelling round magazine with automatic cover, various aggregates possible, milling unit and sawing unit possible on one bridge

## CNC Machining Centre FBM-06

### Operation & Control:

- 3. axes in X, Y, Z direction
- C-axis, 90° rotatable, thus extended travel range in X and Y direction when using additional units.
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service



## CNC grinding machining with grinding roller

### Operation & Control:

- 3. axes in X, Y, Z direction
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service

### Special version:

CNC-controlled grinding roller, two separate tables with steel grooves and swivelling, two separate measuring stations

# CNC sawing centre STS03/2000

## Operation & Control:

- 3. axes in X, Y, Z direction
- Siemens 840 D, digital compact control
- DXF interface for transferring CAD drawings in DXF format.
- Control cabinet with integrated control and PC operating unit.
- Worldwide online service





## 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

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