Machining centers
»Accurate, flexible and innovative: This describes our machines, our thinking and action.«

Anton Müller, Managing Director
### UniSpeed 2000

**Basic machine**

<table>
<thead>
<tr>
<th>Travels (max. in mm)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X axis (horizontal, longitudinal):</td>
<td>2,000</td>
</tr>
<tr>
<td>Y axis (vertical):</td>
<td>1,300</td>
</tr>
<tr>
<td>Z axis (horizontal-cross):</td>
<td>1,300</td>
</tr>
</tbody>
</table>

**Milling head**

Universal, orthogonal milling head  
Standard swivel range:  
- A axis 180°  
- C axis 360°

**Main drive/motor spindle**

- Drive power in kW: up to 44/70  
- Speed range in rpm: up to 8,000/24,000

**Speeds of movement**

- Feeds and rapid traverses (X, Y, Z) in mm/min: up to 30,000  
- Acceleration in m/s²: 2

**Tool taper**

- SK 50 BIG-PLUS  
- HSK 100 A DIN 69893

**Versions**

- Milling machine  
- Mill-Turn-machine  
- Machine with pallet changer

### Options

**Milling heads**

- Universal heads  
- Fork milling heads

**Workpiece handling**

- Clamping plate  
- Rotary table(s)  
- Turn table(s)  
- Pallet changers

**Tool handling**

- Automatic tool changer  
- Tool magazine  
- Tool loading station

**CNC Systems**

- Heidenhain  
- Siemens

**Accessories**

We would like to introduce our extensive range of accessories in a personal discussion.
UniSpeed – in process.

UniSpeed 3000

Basic machine

Travels (max. in mm)
- X axis (horizontal, longitudinal): 3,000
- Y axis (vertical): 1,300
- Z axis (horizontal-cross): 1,300

Milling head
- Universal, orthogonal milling head
- Standard swivel range:
  - A axis 180°
  - C axis 360°

Main drive/motor spindle
- Drive power in kW: up to 44/70
- Speed range in rpm: up to 8,000/24,000

Speeds of movement
- Feeds and rapid traverses (X, Y, Z) in mm/min:
  - Up to 30,000
- Acceleration in m/s²: 2

Tool taper
- SK 50 BIG-PLUS
- HSK 100 A DIN 69893

Versions
- Milling machine
- Mill-Turn-machine
- Machine with pallet changer

Options

Milling heads
- Universal heads
- Fork milling heads

Workpiece handling
- Clamping plate
- Rotary table(s)
- Turn table(s)
- Pallet changers

Tool handling
- Automatic tool changer
- Tool magazine
- Tool loading station

CNC Systems
- Heidenhain
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UniSpeed 6000

Basic machine

Travels (max. in mm)
X axis (horizontal, longitudinal): 6,000
Y axis (vertical): 1,600
Z axis (horizontal-cross): 1,300

Milling head
Universal, orthogonal milling head
Standard swivel range: 
A axis 180°
C axis 360°

Main drive/motor spindle
Drive power in kW: up to 44/70
Speed range in rpm: up to 8,000/24,000

Speeds of movement
Feeds and rapid traverses
(X, Y, Z) in mm/min: up to 30,000
Acceleration in m/s²: 3,5

Tool taper
• SK 50 BIG-PLUS
• HSK 100 A DIN 69893

Versions
• Milling machine
• Mill-Turn-machine
• Machine with pallet changer

Options

Milling heads
• Universal heads
• Fork milling heads

Workpiece handling
• Clamping plate
• Rotary table(s)
• Turn table(s)
• Pallet changers

Tool handling
• Automatic tool changer
• Tool magazine
• Tool loading station

CNC Systems
• Heidenhain
• Siemens

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TightBlock
**TightBlock 6000**

**Basic machine**
- Travels (max. in mm):
  - X axis (horizontal, longitudinal): 6,000
  - Y axis (vertical): 2,600
  - Z axis (horizontal-cross): 1,300

**Milling head**
- Universal, orthogonal milling head
- Standard swivel range:
  - A axis: 180°
  - C axis: 360°

**Main drive/motor spindle**
- Drive power in kW: up to 44/70
- Speed range in rpm: up to 8,000/24,000

**Speeds of movement**
- Feeds and rapid traverses: up to 30,000
- Acceleration in m/s²: 3.5

**Tool taper**
- SK 50 BIG-PLUS
- HSK 100 A DIN 69893

**Versions**
- Milling machine
- Mill-Turn-machine
- Machine with pallet changer

**Options**
- Milling heads
  - Universal heads
  - Fork milling heads

- Workpiece handling
  - Clamping plate
  - Rotary table(s)
  - Turn table(s)
  - Pallet changers

- Tool handling
  - Automatic tool changer
  - Tool magazine
  - Tool loading station

- CNC Systems
  - Heidenhain
  - Siemens

- Accessories
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**TightBlock 8000**

**Basic machine**
- Travels (max. in mm):
  - X axis (horizontal, longitudinal): 8,000
  - Y axis (vertical): 3,100
  - Z axis (horizontal-cross): 1,500

**Milling head**
- Universal, orthogonal milling head
- Standard swivel range:
  - A axis: 180°
  - C axis: 360°

**Main drive/motor spindle**
- Drive power in kW: up to 55/70
- Speed range in rpm: up to 8,000/24,000

**Speeds of movement**
- Feeds and rapid traverses: up to 30,000
- Acceleration in m/s²: 3.5

**Tool taper**
- SK 50 BIG-PLUS
- HSK 100 A DIN 69893

**Versions**
- Milling machine
- Mill-Turn-machine
- Machine with pallet changer

**Options**
- Milling heads
  - Universal heads
  - Fork milling heads

- Workpiece handling
  - Clamping plate
  - Rotary table(s)
  - Turn table(s)
  - Pallet changers

- Tool handling
  - Automatic tool changer
  - Tool magazine
  - Tool loading station

- CNC Systems
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