

Travelling column machines



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

Anton Müller, Managing Director

PowerSpeed

PowerSpeed 2000

PowerSpeed 3000

PowerSpeed 4000

UniForce

UniForce 4000

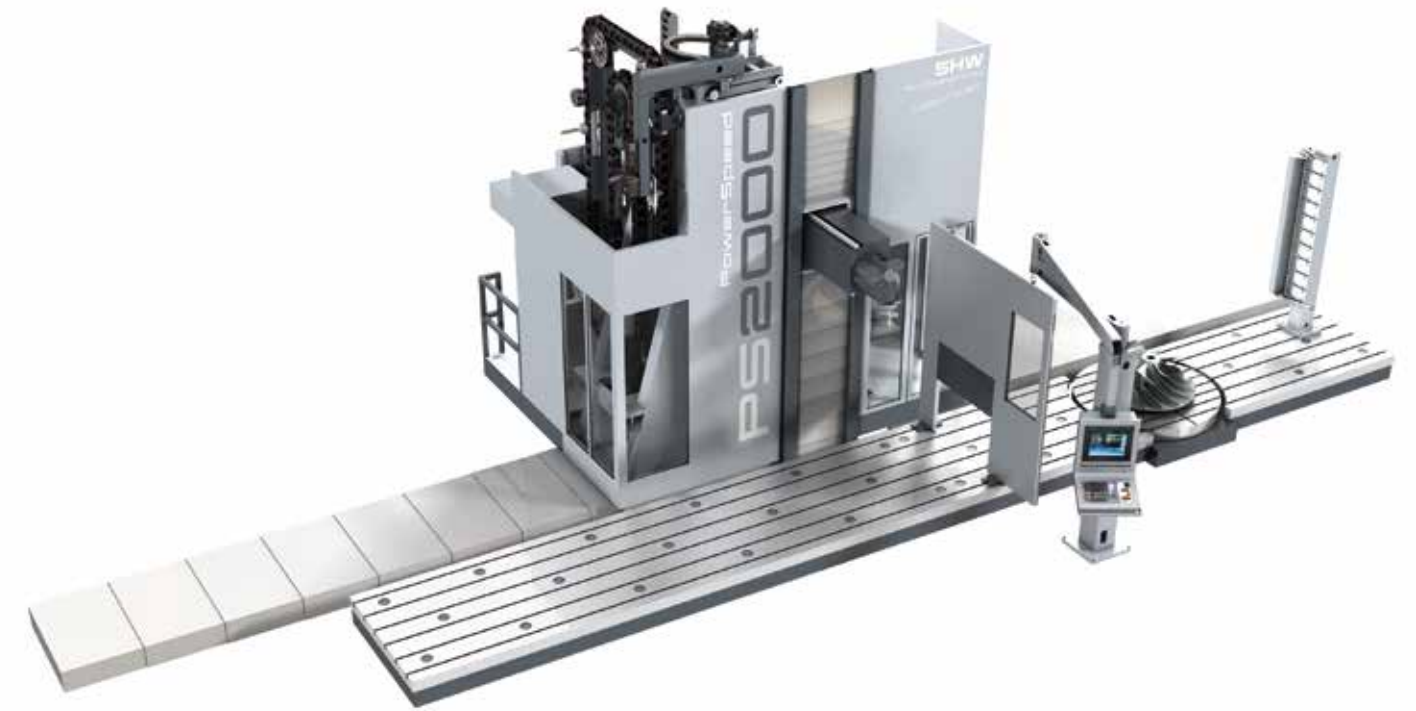
UniForce 7000

PowerForce

PowerForce 8000

PowerSpeed

PowerSpeed 2000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	30.000
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 (X, Y, Z) in mm/min:	up to 30.000
Acceleration in m/s ²	3,5

Tool taper

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

Versions

- Milling machine
- Mill-Turn-machine
- Head-change machine
- Twin column machine
- Machine with pallet changer

Options

Milling heads

- Universal heads
- Fork milling heads
- Horizontal milling heads
- Angular milling heads
- Special head executions

Workpiece handling

- Clamping plate
- Rotary table(s)
- Rotary table with cross axis
- Turn table(s)
- Reversible clamping devices
- Pallet changers

Tool handling

- Automatic tool changer
- Tool magazine
- Tool loading station
- Pick-Up-Station

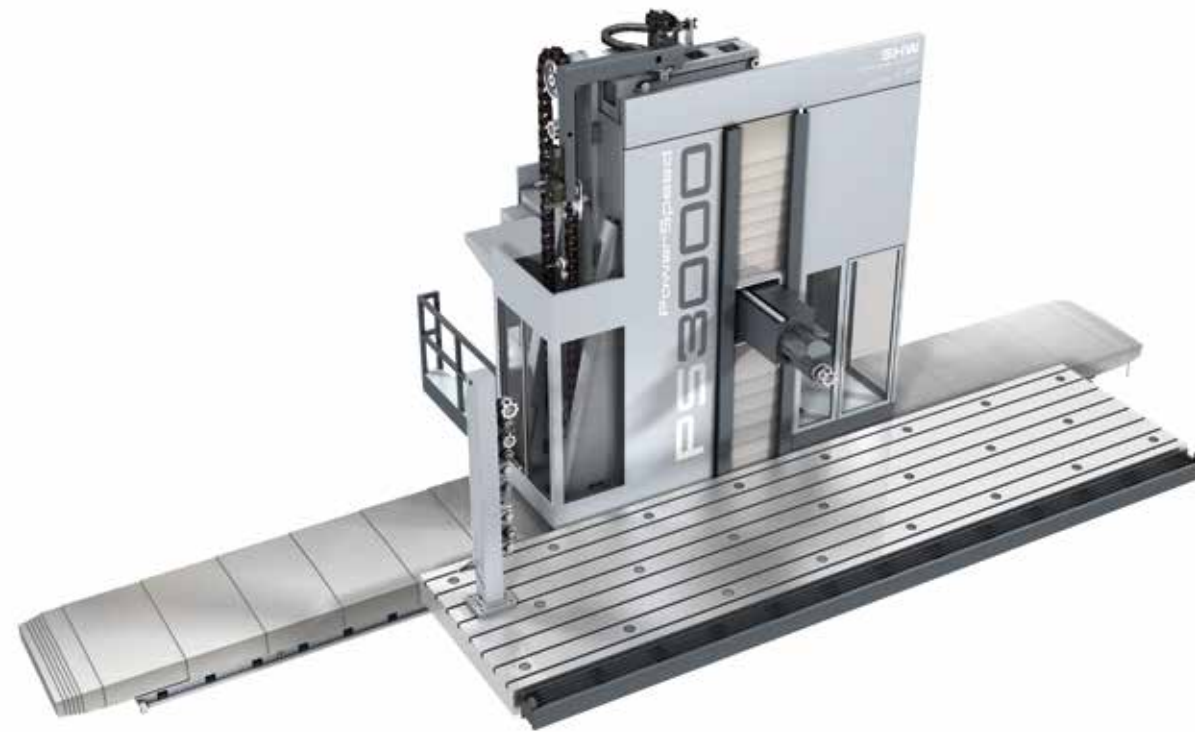
CNC Systems

- Heidenhain
- Siemens

Accessories

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

PowerSpeed 3000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	30.000
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 (X, Y, Z) in mm/min:	up to 30.000
Acceleration in m/s ²	3,5

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- Reversible clamping devices
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Tool handling

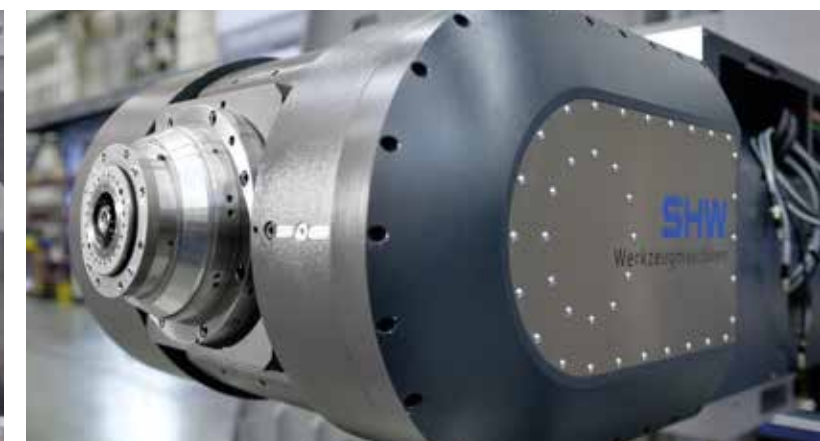
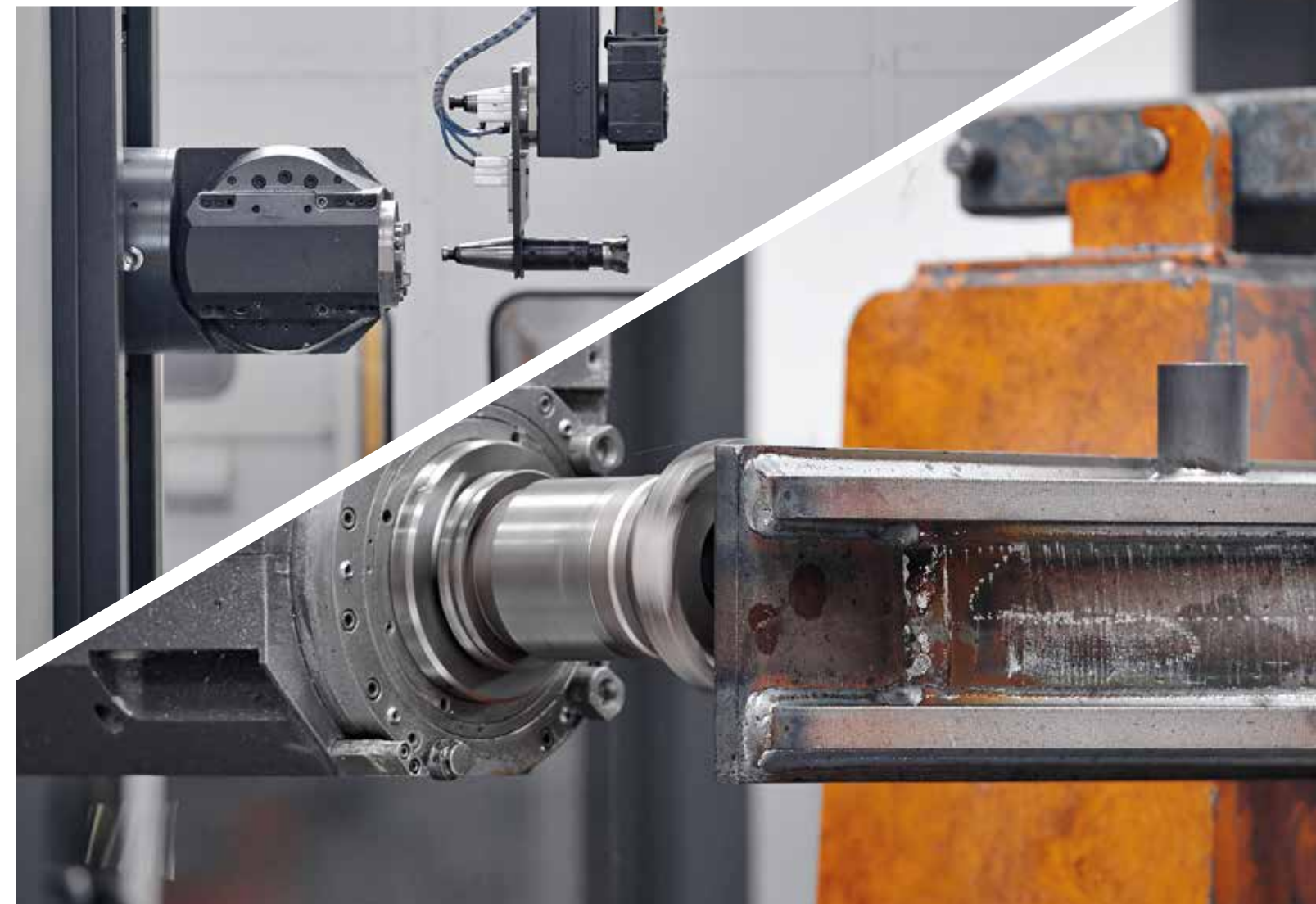
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PowerSpeed 4000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	40.000
Y axis (vertical):	4.100
Z axis (horizontal-cross):	1.600

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 75/70
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 40.000
Acceleration in m/s ²	3,5

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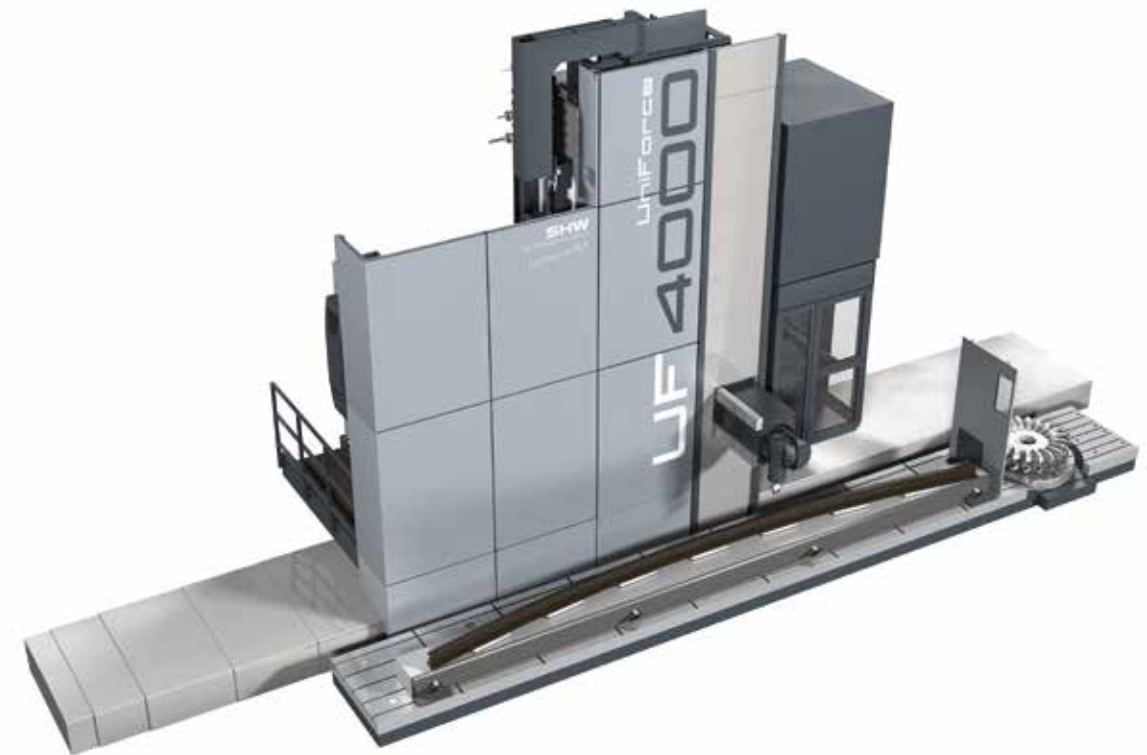
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UniForce



UniForce 4000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	40.000
Y axis (vertical):	4.100
Z axis (horizontal-cross):	1.600

Milling head

Universal, orthogonal milling head
Standard swivel range:

A axis 180°
C axis 360°

Main drive

Drive power in kW:	up to 100
Speed range in rpm:	up to 5.000

Speeds of movement

Feeds and rapid traverses (X, Y, Z) in mm/min:	up to 36.000
Acceleration in m/s ²	2

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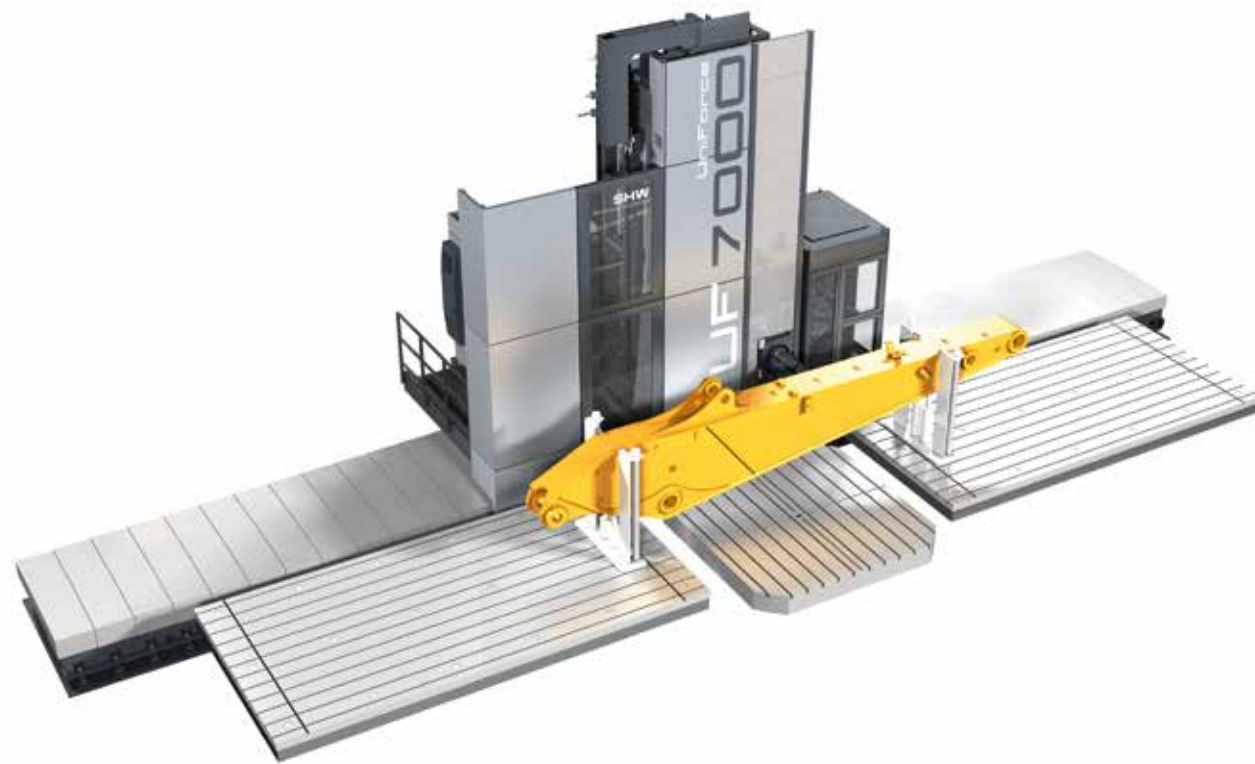
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UniForce 7000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	40.000
Y axis (vertical):	7.100
Z axis (horizontal-cross):	1.800

Milling head

Universal, orthogonal milling head
Standard swivel range:

A axis 180°
C axis 360°

Main drive

Drive power in kW:	up to 100
Speed range in rpm:	up to 5.000

Speeds of movement

Feeds and rapid traverses (X, Y, Z) in mm/min:	up to 36.000
Acceleration in m/s ²	2

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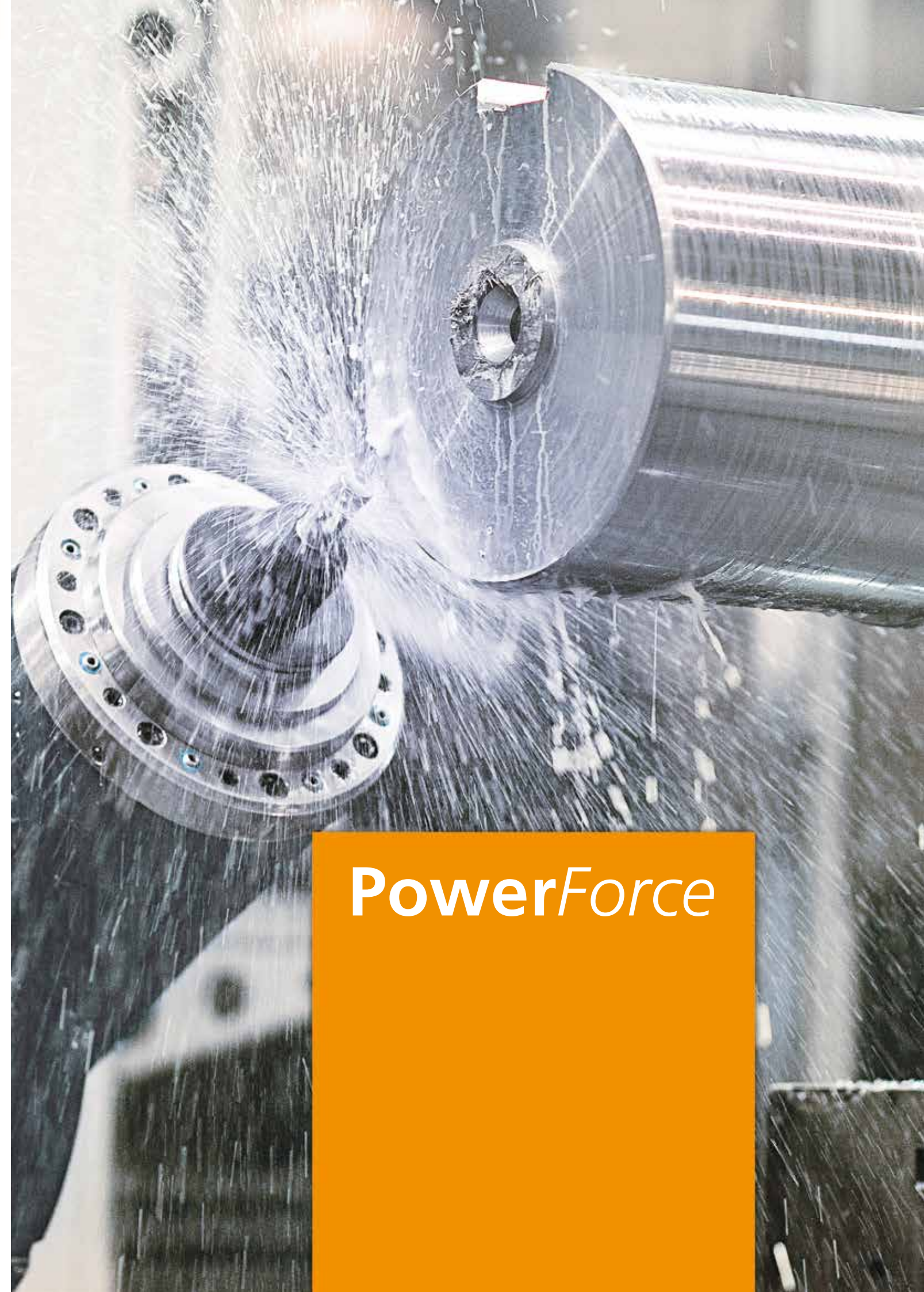
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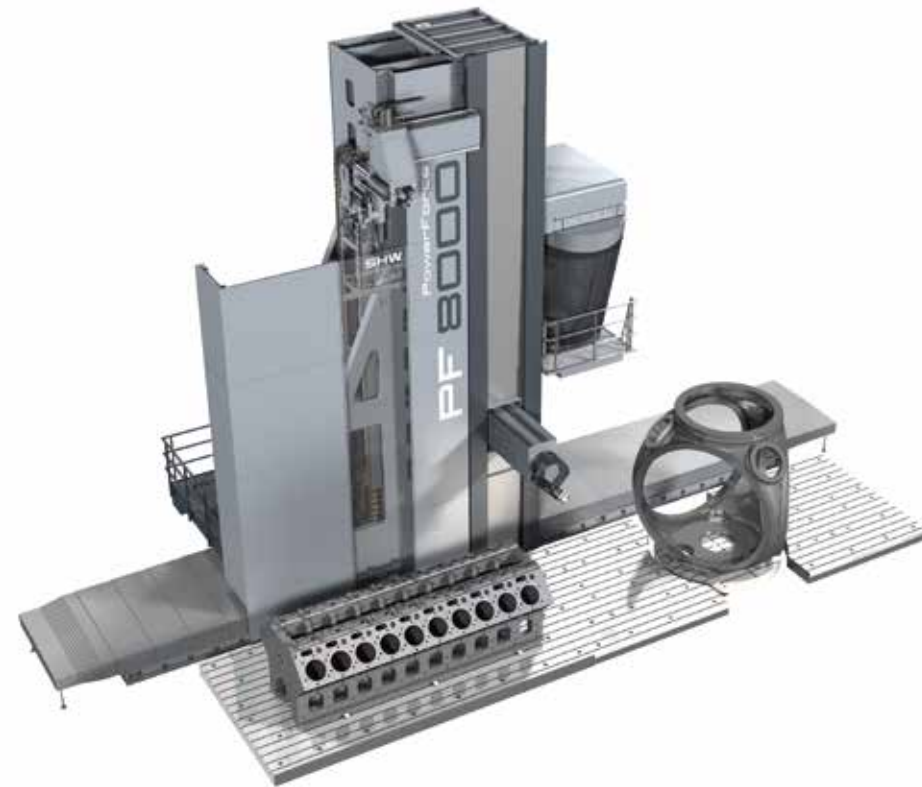
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PowerForce

PowerForce 8000



Basic machine

Travels (max. in mm)

X axis (horizontal, longitudinal):	50.000
Y axis (vertical):	8.100
Z axis (horizontal-cross):	2.000

Milling head

Universal, orthogonal milling head
Standard swivel range:

A axis 180°
C axis 360°

Main drive

Drive power in kW:	up to 128
Speed range in rpm:	up to 5.000

Speeds of movement

Feeds and rapid traverses (X, Y, Z) in mm/min:	up to 20.000
Acceleration in m/s ²	1,5

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