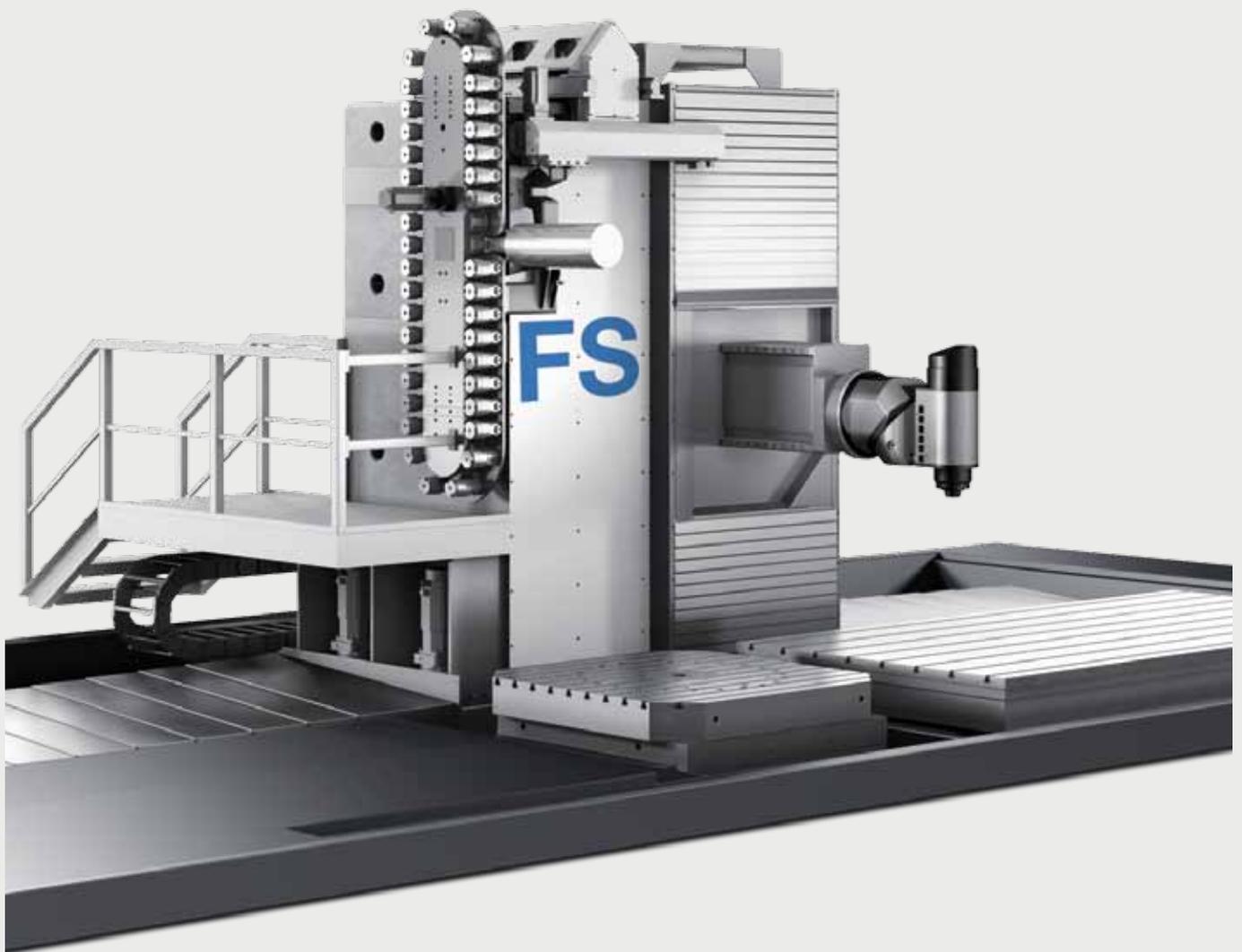


EFFICIENCY FOR LARGE-SCALE PARTS

KEPPLER
MASCHINENBAU



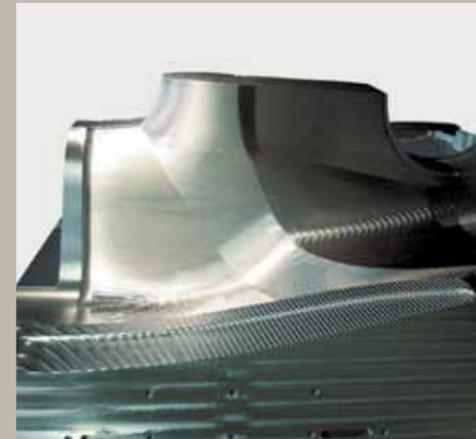
High-performance
travelling column machine

FS
Travelling column

Precision and economy in metal working

KEPPLER – synonymous with innovative, efficient solutions and engineering excellence in the field of metalworking for more than four decades. A competent workforce of 130 employees, modern machinery, an innovative design department and exemplary quality assurance make us the preferred industry partner. KEPPLER machines give you a decisive competitive edge.

Ideal for mechanical engineering and mould building, highly efficient simultaneous machining in the 3D range



Perfection in every detail. The best guarantee for lasting reliable function and high productivity



02-03



FORESIGHT THAT BRINGS YOU FORWARD

Visionary and always close to the customer. Creative and always one hundred percent practical. The forward-looking KEPPLER experts understand perfectly how to realise mechanical innovations to meet your specific needs. High-performance technology that allows you to master your challenges – precisely, quickly and reliably.

QUALITY TO BENEFIT YOU

Our products and services are tested according to the most stringent quality standards. In every field, our actions are governed by the zero-defects principle. The result: products which excel in terms of their outstanding availability coupled with a long service life. Absolute customer focus, reliability and fairness are all at the top of the KEPPLER list of priorities – and the benefit is all yours.

Large-scale machining with the highest level of precision

This is our highlight for milling large components. Ideal for mechanical engineering and mould building. Offering unprecedented chip volumes coupled with excellent surface quality and high machining precision. This is ensured by the combination of high dynamics, extreme feed torque and enormous rigidity. And the innovative milling head provides outstanding productivity: designed for highly efficient simultaneous machining in the 3D range – exclusively from KEPPLER.

Advantages for your benefit

Machine table

- Indexing table with worm drive or highly dynamic dual drive
- High payload
- Multi-side machining in one clamping

Simultaneous 5-axis machining

- More variable operation

Rapid traverse speed of up to 20 m/min

- You gain time

Milling head

- 1-axis NC milling head 1,500 Nm (S6)
- 2-axis NC milling head 1,000 Nm (S6)
- HSK100/SK50

Direct measuring systems

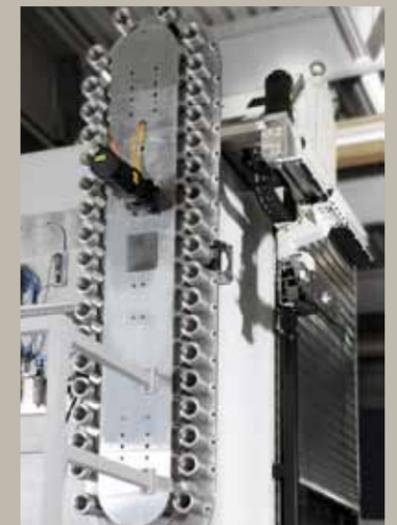
- You produce with absolute precision

Tool magazine

- You work fully automatic with 40 or 60 tools

Machine bed with mineral cast design

- Optimum vibration damping
- Up to 50% longer tool life due to reduced vibrations
- Very low thermal expansion



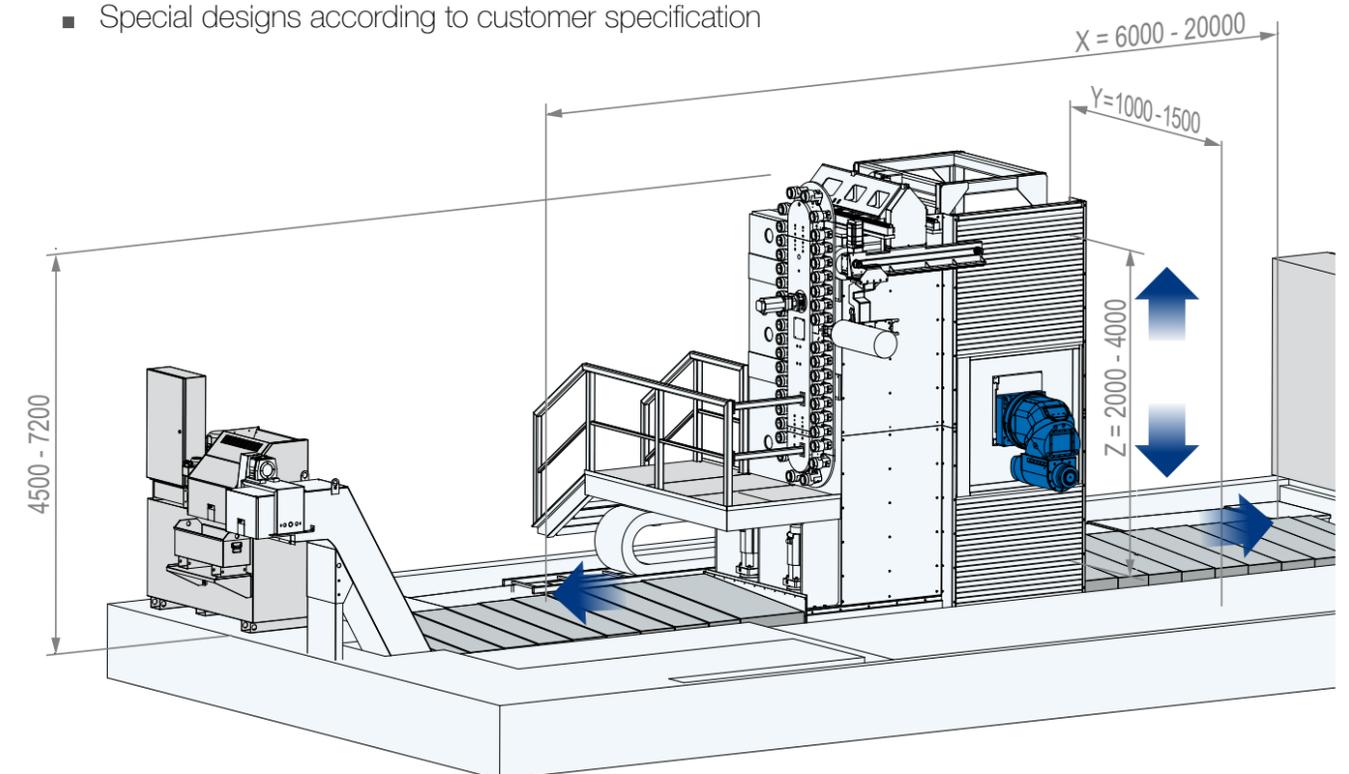
Impressive data, varied range of options

HIGH-PERFORMANCE TRAVELLING COLUMN BED-TYPE MILLING MACHINE TECHNICAL DATA

Working range	
X-axis (mm)	6000 to 20000
Y-axis (mm)	1000 to 1500
Z-axis (mm)	2000 to 4000
Machine table	
Clamping surface (mm)	in 500 mm longitudinal or transverse steps
Rundtische	
Clamping surface (mm)	from Ø 1200
Feed rate	
Max. rapid traverse speeds X/Y/Z (m/min)	20 / option 40
Max. programmable feed X/Y/Z (m/min)	20 / option 40
NC milling heads	
Steplessly adjustable in both axes with Hirth gearing	Option
Drive power of the milling heads	
Rotational speed ranges (rpm)	5000, 7000, 8000
Torque (Nm)	1000, 600, 500
Tool changer	
Tool places	40 / 60 / option up to 250 places
Tool holder	SK50 (DIN 69871) HSK100 A (DIN 69893)
Tool change time (s)	16
Control system	
Path control	Heidenhain iTNC 530 HSCI Siemens 840D SL

Options:

- Partial enclosure
- Full enclosure
- Oil emulsion separator for full enclosure
- ICP increase to 60 bar
- Blower through the spindle centre
- External blower
- Spray gun
- Minimal quantity lubrication through spindle
- Workpiece measurement system (sensing device)
- Tool breakage monitoring
- Tool coding
- Rotating viewing window
- Track flushing
- Manual operating module
- Special designs according to customer specification



Additional individual machine designs are possible. Please contact us.
Technical specifications are subject to change.

BENEFIT FROM OUR SUCCESS STORY

In addition to excellent 5- and 6-axis universal machining centres and travelling column machines, we offer you tailor-made components, hydraulic and fully automatic equipment, application-specific conversions and much more. These are backed by a comprehensive service package that leaves nothing to be desired, leaving you free to do what you do best – be a successful manufacturer.

- MECHANICAL ENGINEERING
- TOOL MAGAZINES
- PALLET CHANGERS
- FIXTURES
- RETROFITTING
- SPECIAL-PURPOSE MACHINES



KARL KEPLER MASCHINENBAU GMBH

Max-Eyth-Straße 9

72793 Pfullingen (Germany)

Phone: +49 (0) 7121 9776-0

Fax: +49 (0) 7121 9776-45

info@kepler-werkzeugmaschinen.de

info@kepler-maschinenbau.de

www.kepler-werkzeugmaschinen.de

www.kepler-maschinenbau.de