

LEADING MOULD BUILDING AND MECHANICAL ENGINEERING

KEPPLER
MASCHINENBAU



6-axis
Universal machining centre

HDC
Indexing table

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.

Steplessly adjustable milling head for drilling at any angle and with different spindles



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



02-03



FORESIGHT THAT BRINGS YOU FORWARD

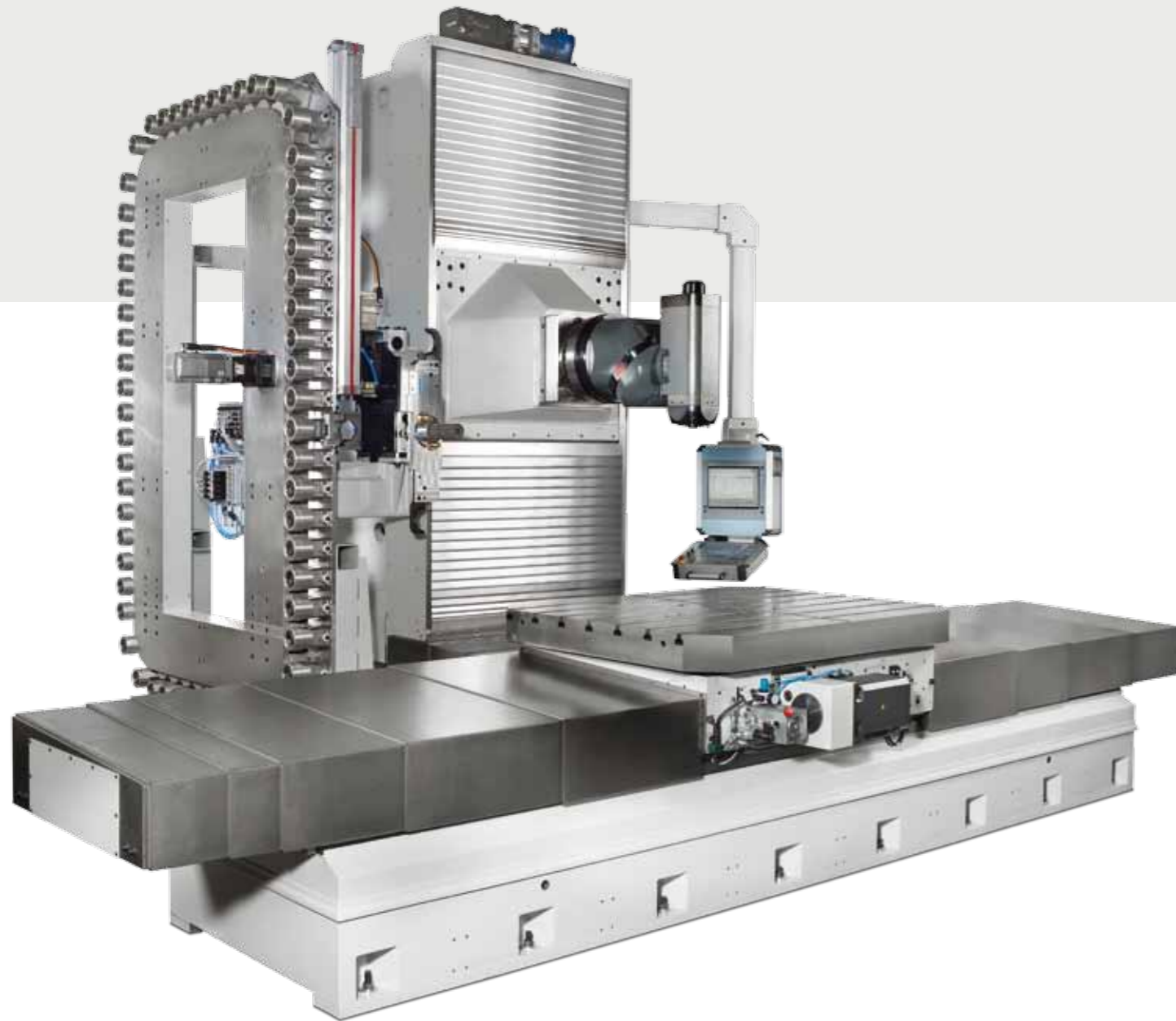
Visionary and always close to the customer. Creative and always one hundred percent practical. The forward-looking KEPPLER experts understand perfectly how to realise mechanical innovations to meet your specific needs. High-performance technology that allows you to master your challenges – precisely,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

Created for demanding mould building and mechanical engineering

Flexibility meets efficiency – a fitting description for this technical masterpiece from KEPPLER. Modern design, impressive performance data and an excellent cost-to-performance ratio makes this 6-axis universal machining centre the perfect solution when it comes to precisely machining parts for the mechanical engineering industry.



Advantages for your benefit

Machine table

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

Simultaneous 5-axis machining

- More variable operation

High rapid traverse speeds up to 30 m/min

- Sie gewinnen Zeit

Milling head

- 1-axis NC milling head 525 Nm (S6)
- 2-axis NC milling head 220Nm (S6)
- HSK100/SK50

Direct measuring systems

- You produce with absolute precision

Tool magazine

- You work fully automatically with 40 or 60 tools

Machine bed in 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

HDC INDEXING TABLE – TECHNICAL DATA

Working range	
X-axis (mm)	2000 / 3000 / 4000
Y-axis (mm)	1500 / 2000
Z-axis (mm)	1400

Machine table NC-indexing table	
Table size (mm)	1250 x 1650
Load capacity (kg)	6000
Rotational speed (rpm)	10

Feed rate	
Max. rapid traverse speeds X/Y/Z (m/min)	27 / 30 / 30
Max. programmable feed X/Y/Z (mm/min)	27000 / 30000 / 30000

2-axis NC milling head – Technical data	
Slewing range A-axis	+/-185°
Slewing range B-axis	+/-200°
Main drive motor spindle	
Rated power S1 (kW)	34
Rated torque S1 (Nm)	160
Power S6 (kW)	43
Torque S6 (Nm)	220
Rated speed (rpm)	2000
Max. rotational speed (rpm)	10000

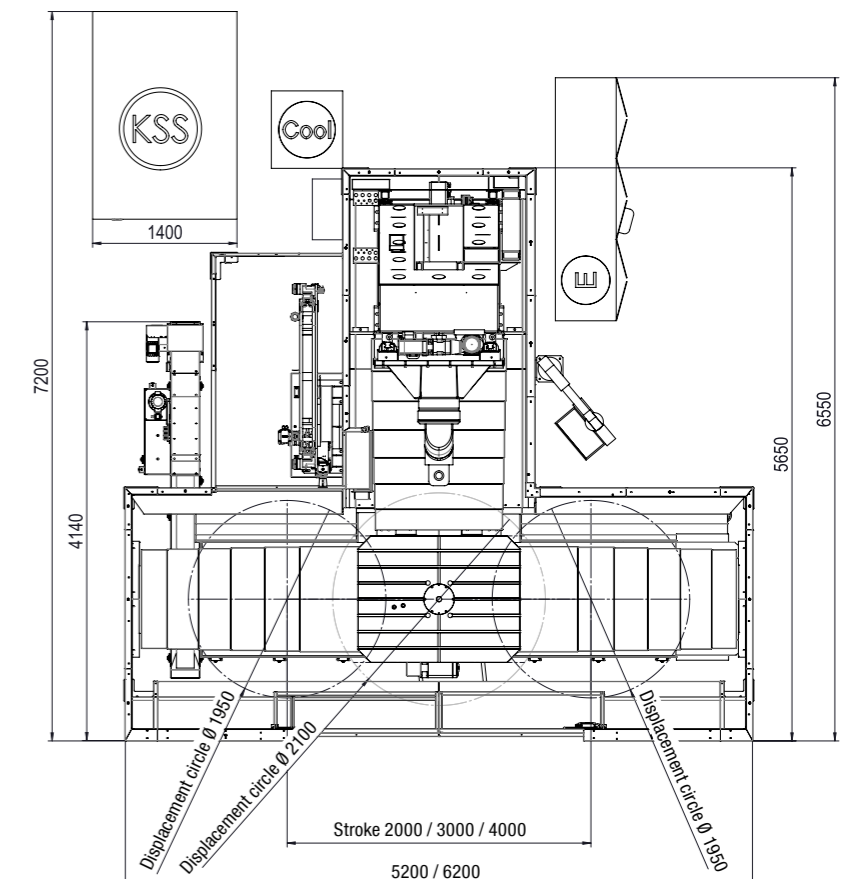
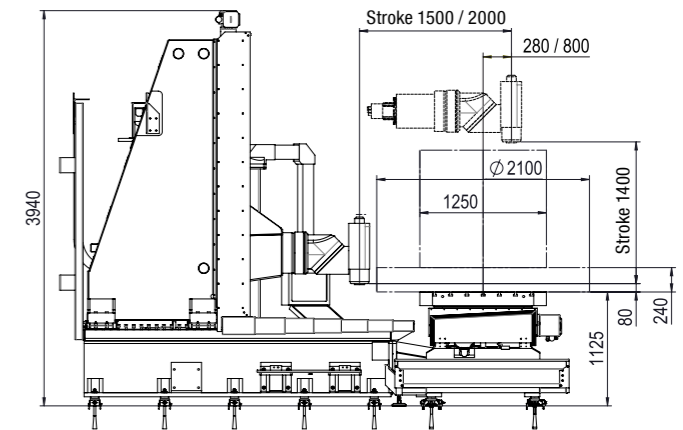
1-axis NC milling head – Technical data	
Slewing range A-axis	+/-185°
Main drive motor spindle	
Power S1 (kW)	42
Torque S1 (Nm)	400
Power S6 (kW)	55
Torque S6 (Nm)	525
Rated speed (rpm)	1000
Max. speed (rpm)	7000

Tool magazine chain	
Tool places	40 / 60
Tool holder	SK50 / HSK100
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.

06-07

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



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