



Designed and Made
in Switzerland



KELLENBERGER 100 – platform concept offering the widest possible range of configuration options

User-friendly, ergonomic design

Simple operation via intuitive touchscreen interface

Technical highlights

- State-of-the-art Fancu CNC system with 19" touchscreen
- Guide with special coating for wear-free operation and perfect contour precision
- Temperature stability thanks to integrated cooling circuit
- Innovative compact wheelhead with 10 versions and 11.5 kW drive output
- Collision-free grinding configuration of 3 tool positions and one measuring position
- New measuring sensor configuration without tilting mechanism for increased measurement precision
- High dimensional precision for non-circular grinding thanks to direct drive at the workpiece
- Replacement of belt-driven internal grinding spindles with lower-cost motor spindles
- Large capacity with 200 mm centre height and 150 kg workpiece weight
- New dressing concept with optimised, generous stroke ratios
- Open system for automation, automatic door operator
- Integrated lifting system for changing grinding wheels and tailstock mounting
- Servicing-friendly machine design



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Base

- FEM-optimised cast bed
- Optimised slideway on Z-axis
- Linear guide on X-axis

Modular wheelhead with high-precision B-axis

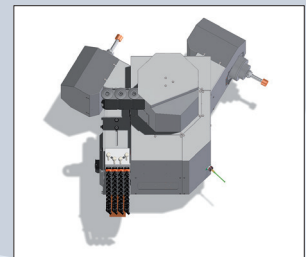
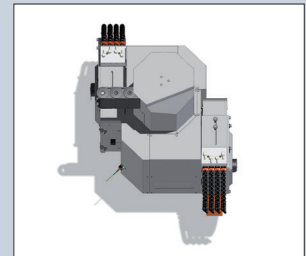
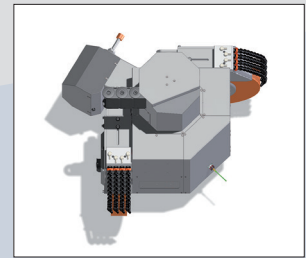
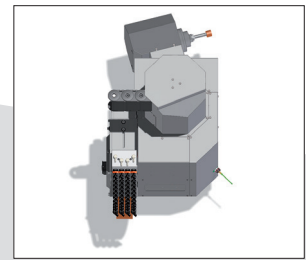
10 compact wheelhead versions for optimal machine design based on the parts to be processed. Diagonal configuration and new collision-free universal design with 500 mm grinding wheel diameter.

Workhead and tailstock

- Standard design with 100 kg workpiece weight
- Strengthened version with 150 kg
- High torque for non-circular grinding
- Synchronous tailstock including automatic fine adjustment for production applications

CNC control system with Fanuc 31i with 19" touchscreen

- Comprehensive user support with revamped intuitive touchscreen control
- Redesigned cycle programming
- Workpiece-based graphic programming
- Integrated automatic calculation technology



Technical data

| | | |
|-------------------------------------|----|---------------------------|
| Distance between centres | mm | 600 / 1000 |
| Centre height | mm | 200 |
| External grinding power | kW | 11.5 |
| Workpiece weight max. | kg | 150 |
| Z-axis travel | mm | 750 / 1150 |
| X-axis travel | mm | 365 |
| Space requirements (length x width) | mm | 3000 x 3600 / 3400 x 3600 |

These details are not exhaustive and may vary depending on the specification.

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