

Tool Presetting

UNO Series



NEW

Now available with
autofocus and
automatic drive!

UNO 20
DMG MORI MICRO

The new UNO

Tool Presetting
– a new level
of efficiency
and accuracy
in production



The UNO Series

The entry-level class with unique features.

Tool presetting at a high level with an attractive price: the UNO works exceptionally accurate and offers perfect results for tool dimensions with a diameter of 400 mm and measuring lengths of up to 400 mm (optional: 700 mm). This is ensured by a thermally stable design, high quality measuring systems and high-performance software.

Highlights

- + New design, improved ergonomics, high precision
- + FEM-optimised and thermally stable gray cast iron construction
- + Individual design through modular concept
- + Tool dimensions:
Diameter 400 mm, maximum measuring length of 400 mm (optionally 700 mm)
- + Tool measuring in the snap gauge principle up to diameters of 100 mm (traverse up to X -50 mm)
- + Infinite fine adjustment
- + SK50 precision spindle
- + Incident segment light for visual cutting inspection
- + 47 cm (19") screen in 16:9 format with 45 x magnification

Options

- + Release-by-touch operation
- + Second camera for set-up of the turning centre
- + Tool identification with RFID data carrier
- + Post processors for all common control systems



UNO 20140
measuring range:
X = +200 to -50 mm
Z = 400



- 1: Second camera for measuring and setting the turning centre
- 2: Integrated infinite fine adjustment
- 3: 47 cm (19") screen as standard, optional 24" touch display

Attractive options

The next level of speed and precision – autofocus and automatic drive.



autofocus

For the automatic focussing of the cutting edge. Motor-driven spindles with convenient system cabinet and 24" touch display as standard.



automatic drive

For fully automatic tool presetting and operator-independent measuring (CNC-controlled, 3 axes). With convenient system cabinet and 24" touch display as standard.

UNO

Technical Data

		UNO
Measuring range		
Maximum tool diameter	mm	400
Max. tool diameter for measuring according to snap gauge principle	mm	100
Max. tool length Z-axis	mm	400 / 700
Operation		
Manual		•
Autofocus (motorised C-axis)		○
Fully automatic (motorised X-, Z- and C-axis)		○
Infinite fine adjustment		•
Accuracy		
True running accuracy at the spindle nose	µm	2
Repeat accuracy	µm	± 2
Spindle		
SK50 precision spindle		•
Vacuum clamping		○
ISS universal spindle		○
Universal tool clamp		○
Pneumatic spindle brakes		○
Spindle indexing 4 × 90°		○

• Standard, ○ Optional



UNO 20140
Tabletop version

UNO 20140
with convenient system cabinet

UNO 20170
with convenient system cabinet and
adapter storage, 24" touch display,
vacuum clamping and second camera

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