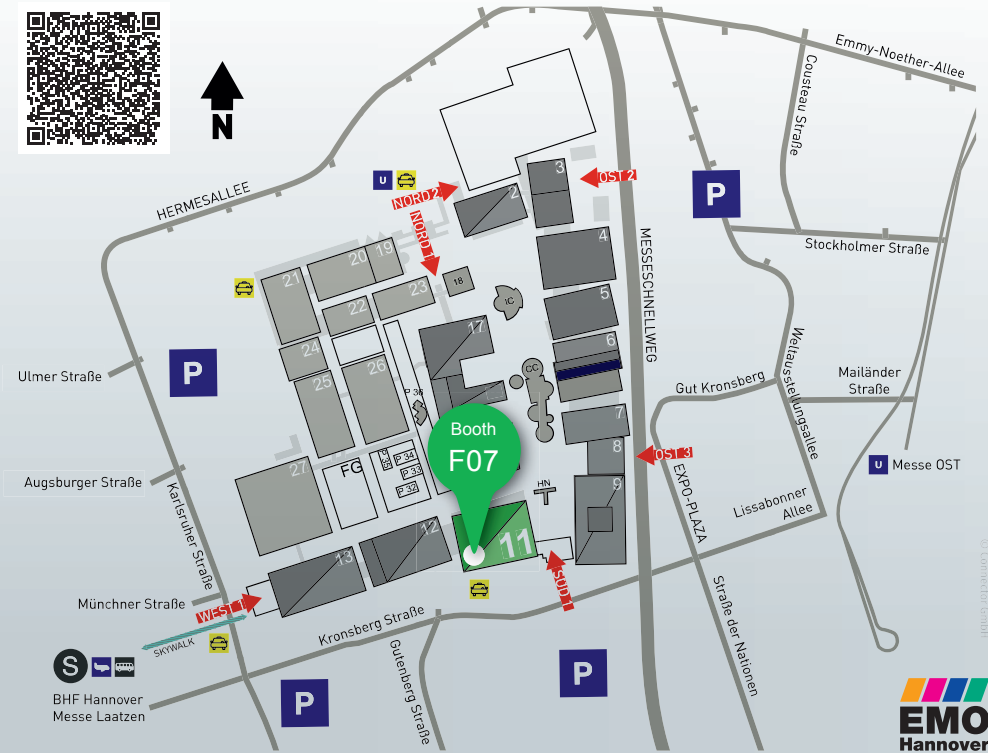


# Hall 11 // Booth F07



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... always stay informed



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# Nidec

All for dreams

# INVITATION

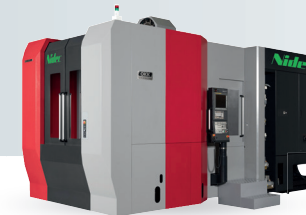
**EMO**  
Hannover

## Hall 11 // Booth F07 18. – 23.09.2023

MON-FRI 9.00 – 18.00 // SAT 9.00 – 16.00



VB-X650



HM-X6100



ZI20A-G

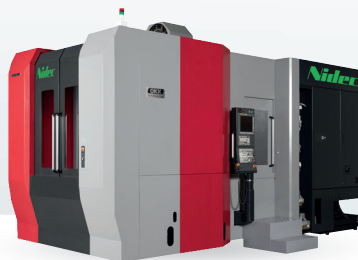
NEW



## VB-X650

- Faster cycle time
- Suitable for Automation system
- Compact footprint

NEW



## HM-X6100

- More Dynamic for Complex Parts
- Powerful cutting performance
- Suitable for unmanned operation

SIEMENS CNC



## ZI20A-G

- A generating gear grinding process – for internal and external gears
- High efficiency, high precision grinding of mass produced ring gears
- Continuous grinding of external gears even with close interferences

Machine Specifications	
Controller type	FANUC 31i-B5 Plus
X – axis travel	850 mm
Y – axis travel	610 mm
Z – axis travel	510 mm
B – axis travel	-110 to +110 deg
C – axis travel	360 deg
Table (pallet) size	Ø 650 (2 sides width 520 mm)
Maximum workpiece weight	350 kg
Spindle taper	BT40 (BIG PLUS)
Spindle speed	15.000 min <sup>-1</sup> (OP 20.000 min <sup>-1</sup> )
Rapid speed X/Y/Z	63/63/63 m/min
Rapid speed B/C	50/100 min <sup>-1</sup>
Maximum tool weight	8 kg
Magazine capacity	40 tools (OP: 60, 116, 172, 232 tools)

Machine Specifications	
Controller type	FANUC 31i-B5 Plus
X – axis travel	1050 mm
Y – axis travel	900 mm
Z – axis travel	1000 mm
A – axis travel	-140 to +50 deg
B – axis travel	360 deg
Table (pallet) size	600 x 600 mm
Maximum workpiece weight	650 kg
Spindle taper	BT50 (BIG PLUS)/ BT40 (BIG PLUS)
Spindle speed	12.000 min <sup>-1</sup> /20.000 min <sup>-1</sup>
Rapid speed X/Y/Z	75/54/75 m/min
Rapid speed A/B	30/50 min <sup>-1</sup>
Magazine capacity	60 tools (OP: 40, 80, 116, 120, 160, 176, 236 tools)

Machine Specifications	
Part MAX OD (clamping part)*	Ø 200 mm
Part MAX Module	1–3
Wheel Grinding Wheel OD	Ø 50–120 mm
Wheel Grinding Wheel Head Swivel Angle	±40 deg
Wheel MAX Spindle Rotation	15.000 min <sup>-1</sup>
Table Diameter	Ø 200 mm
Table MAX Rotation	6000 min <sup>-1</sup>
Dresser Spindle Motor (cont.)	25 kW
Dresser Types	Dressing Gear/ Profile Disc Dresser (optional)
NC axes	7 (8)
Size	W 4747 / D 5200 / H 2835 mm
Total Power Consumption	120 kVA
Machine Weight	12.000 kg

The specifications above are for the exhibited machines.

\*Condition may allow cutting parts which has OD larger than Ø 200 mm.