Werkzeugmaschinen

Technical Datasheet

CNC – 5-Axis Machining Center

manufacturer DECKEL MAHO type DMU 160P hi-dyn

control HEIDENHAIN iTNC530

built 2004



Travels

Cross movement (X-Axis)

Table movement (Y-Axis)

1.600 mm

1.250 mm

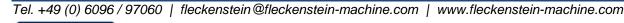
Vertical movement (Z-Axis)

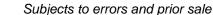
1.000 mm

Rotary table (C-Axis) 360 x 0,001 ° continuous Milling head (B-Axis) + 180 / -7 x 0,001 ° continuous

Feeds

X-, Y- and Z-Axis, stepless 0 - 15.000 mm/min. Rapid feeds in X / Y / Z 60.000 mm/min





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NC- Rotary tab	le
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Ø 1.500 x 1.250 Clamping surface mm Resolution of C-Axis 0,001 Max. Workpiece weight 4.000 kgs

Universal NC-Milling head

B-Axis, stepless + 180 / - 7 ° 0,001 Resolution Motor spindle Type of spindle Max. Power S3, 40 % ED 28 kW Speed range, stepless 20 - 18.000 min-1 Tool clamping system HSK-63 DIN 69893 Form A

Automatic Tool changer

60 Places Tool places Tool holder HSK-A63 mm

Dimensions, Weight

Machine space requirement approx 8.800 x 8.800 Total height approx. 3.500 mm Machine weight approx. 35.000 kgs

Connection data

Operating voltage 3 x 400 V Operating frequency 50 Hz

Equipment and accessories

Versatile universal machining center with NC - Rotary table, tool magazine and large loading door at the front.

- NC-swivelling milling head with 18,000 rpm motor spindle for 5 -axis simultaneous machining
- 3D CNC - Control HEIDENHAIN iTNC530
- HSK 63 spindle cone with interal coolant supply (IKZ)
- Direct travel measuring systems (glass scales in all three axes)
- Operation mode 4
- 60-position tool magazine with automatic changer
- Swivelling contol panel for machine operators
- Exhaust system for oil/emulsion mist with separator
- Chip conveyor with side tank and lifting pump for coolant supply
- Coolant system with belt filter and large tank, with 40 bar high-pressure pump to provide the internal coolant supply
- Electronic handwheel Heidenhain HR410





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- Rotation disc
- Electronic 3D infrared measuring probe Hexagon m&h IRP 25.10 with receiver unit
- Chip cleaning unit
- 3 pcs. set-up elements
- Brankamp collision monitoring system
- Second operating terminal on the tool magazine
- Very well-maintained condition due the past premium service and maintenance contract with the machine manufacturer