

TECHNICAL DATA  
CNC – 5-Axis – Machining Centre

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manufacturer	<b>DECKEL MAHO</b>
type	<b>DMU 125P hi-dyn</b>
built	<b>2000</b>
control	<b>Heidenhain TNC430M</b>

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*Very well maintained and little used 5-axis machining center*

**Working area**

X-axis (column transverse)	1.250 mm
Y-axis (table longitudinal)	880 mm
Z-axis (vertical)	800 mm
Rotation range C-axis (rotary table)	360 °
Swivel range A-axis (rotary table)	75 (+45/-30) °
Positioning B-axis (milling head)	Horizontal + vertical

## NC-swivel and rotary table

Diameter Ø	1.000	mm	
Max. Table load	1.500	kg	
Interference circle Ø	1.100	mm	
Max. Workpiece height	500	mm	
Number of T-slots (parallel)	9	pcs.	18H7
Centering bore Ø	50H6	mm	

## Milling spindle

Integrated motor spindle			
Max. Power	28	kW	(40% ED)
Max. Speed	12.000	rpm	
Tool holder		SK40	

## Feeds and rapid traverse

Feeds in X-Y-Z, stepless	20 - 10.000	mm/min
Rapid traverse in X-Y-Z	24.000	mm/min

## Tool magazine

Type of magazine	Chain-type, vertical
Number of pockets	120
Tool holder	SK40

## Connection data

Operating voltage	400	V	~50Hz
Control voltage	24	V	DC
Pre-fuse	80	A	
Total connected load	55	KVA	

## Machine dimensions

Space requirement	ca. 7,2 x 6,1 x 3,1	m
Machine weight	ca. 11.900	kg
Total weight	ca. 13.000	kg
Max. Installation weight	18.500	kg

### Equipment and accessories

- Former test and pre-series machine, very good condition
  - main spindle 12.000 1/min
  - Control Heidenhain TNC 430M
  - Large operating doors for optimum accessibility
  - Large cubic work area open on three sides
  - Crane loading from top to above the table center
  - NC swivel rotary table
  - Horizontal-vertical milling head
  - Chain magazine with 120 tool places, SK40
  - Internal coolant supply 40 bar
  - Chip conveyor
  - Electronic handwheel
  - Spindle cooling unit
  - Interlit compact belt filter system, type SUK 200-900 with 900l tank volume and two coolant circuits for external and internal coolant supply
  - 3D touch probe system make M&H
  - Rotoclear rotating vision panel
- Machine ON: approx. 40.900 h, Spindle ON approx. 10.600 h