

FEHLMANN PICOMAX 80 CNC 3/W (1125-9131218)



Control type
CNC

Construction year
1995

Machine no.
1125-9131218

Make
FEHLMANN

Location
Ahaus

** Good / well-maintained condition (!!)

- in checked conditions - machinevideo -
https://www.youtube.com/watch?v=vISK1iCGZ_g

Features:

- Robust machining center - Vertical
- * Vertical milling and drilling machine in single-column design
- * With integrated coordinate table
- * Height-adjustable machine head with extendable spindle sleeve
- CNC HEIDENHAIN control unit "TNC 415 B", front left
- * Includes separate remote control
- Electric motor adjustment of all axes (X/Y/Z/W axes)
- * Rapid traverse in all 4 directions
- * X+Y axes .. max. 9.000 mm/min
- * Z axis .. max. 4.000 mm/min
- * W axis .. max. 4.500 mm/min

- Continuously variable speed .. 50-9.200 rpm
- Heavy-duty, robust coordinate table including 7 T-slots
- * Two telescopic steel covers protect the cross guides
- * X-axis: dovetail guide
- * Y-axis: preloaded roller shoes on hardened steel rails
- * Axis driven by ball screws
- * With preloaded double nuts
- * And DC servo motors mounted directly in the spindle axis
- * Both axes are equipped with linear scales (direct position measurement)
- CNC-controlled machine head (W axis = feed axis)
- * Driven by DC servo motors / toothed belt drive and ball screw
- * Machine head is permanently mechanically clamped by disc spring assemblies
- * For a secure and stable connection between the head and the machine bed
- * Milling and drilling spindles are mounted in the quill,
 . requiring no maintenance
- * Spindle head according to DIN 2079 allows for the use of SK 30 tools
- * Tool changer with 32 positions
- Machine base with two drawer cabinets for machine accessories
- * Includes numerous tools
- Work area with fully protected cabin
- * With wide-opening cabin doors
- Coolant with external coolant reservoir
- VOGEL automatic central lubrication system
- * Supplies oil to the guides, spindles, and drive
- Original operating instructions + spare parts lists

Machine attributes

x-travel:	700 mm
y-travel:	315 mm
z-travel:	495 mm
turning speeds:	50 - 9200 U/min
spindle taper ISO:	SK 30 DIN 69871 A
quill stroke:	178 mm
table::	1230 x 410 mm
workpiece weight:	max. 250 kg
T-slots:	7 x 12-H8
feed range:	X+Y 9.000 / Z 4.000 mm/min
solution in X-, Y- und Z-axis:	0.001 mm
distance spindle /table:	165 / 660 mm
:	32
weight of tools max.:	3.0 kg
Time for tool-changing:	ca. 5.0 sec
Boring power:	Ø 30.0 mm
threading:	M 24
Milling performance:	100 cm³/min
coolant capacity:	100 l
control:	TNC 415 B
voltage:	3x 400 V
total power requirement:	16.0 kW
weight of the machine ca.:	3400 kg
range L-W-H:	2500 x 2500 x 2800 mm

Machine images



