



CNC Special Machines

Technical Data PE 70 Standard

Equipment	
Controller	Bosch Rexroth MTX with mobile control panel and 15" flat screen, integrated PC, network connection, Windows XP, digital drive technique, integrated safety functions.
Routing spindle	HSK F 63, water-cooled, 7.5 kW (10 kW) from 12,000 rpm infinitely variable speed regulation up to 24,000 rpm (26,000 rpm)
Working unit	universal robot unit with Z axis stroke 550 mm, A 540°, B +/- 98°, A/B arranged at an angle of 50°
Extraction	chip collection basket adjustable in height, connection 1 x dia. 300
Axis drives	X axis recirculating ball screw Y axis gear rack, option gantry drive Z axis recirculating ball screw
Machine table with Y = 6,000 mm	8 supporting bars, rapidly adjustable
Clamping station	for alternating operation with Y 6,000 mm 2 stations ea. with 1 vacuum control circuit
Safety guard	3 control circuits (pneumatic circuits with pressure control) accompanying cabin with safety bumpers
Working area in 3-axis operation	
Condition:	dia. 160 mm, total length 160 mm, X = 1,250 mm, Y = 5,900 mm, Z = 300 mm
Working area in 5-axis operation	
Condition:	dia. 160 mm, total length 160 mm X = 1,250 mm, Y = 5,700 mm, Z = 300 mm
Travel speeds	X = 45 m/min, Y = 45 m/min, Z = 24 m/min, A/B = 10,000 °/min
Tool changer	
Data:	horizontal drum-type tool magazine, 20 magazine places, dia. 90 mm, total length 160 mm (with assorted deposit max. dia. 160 mm) tool weight max. 6 kg max. saw blade dia. 350 mm, requiring 5 places, total weight approx. 60 kg
Installation details	
Machine weight:	approx. 8,000 kg with usable length 6,000 mm
Required space with usable length 6000	approx. 6,300 x 11,500 (width x length) incl. operating and safety space

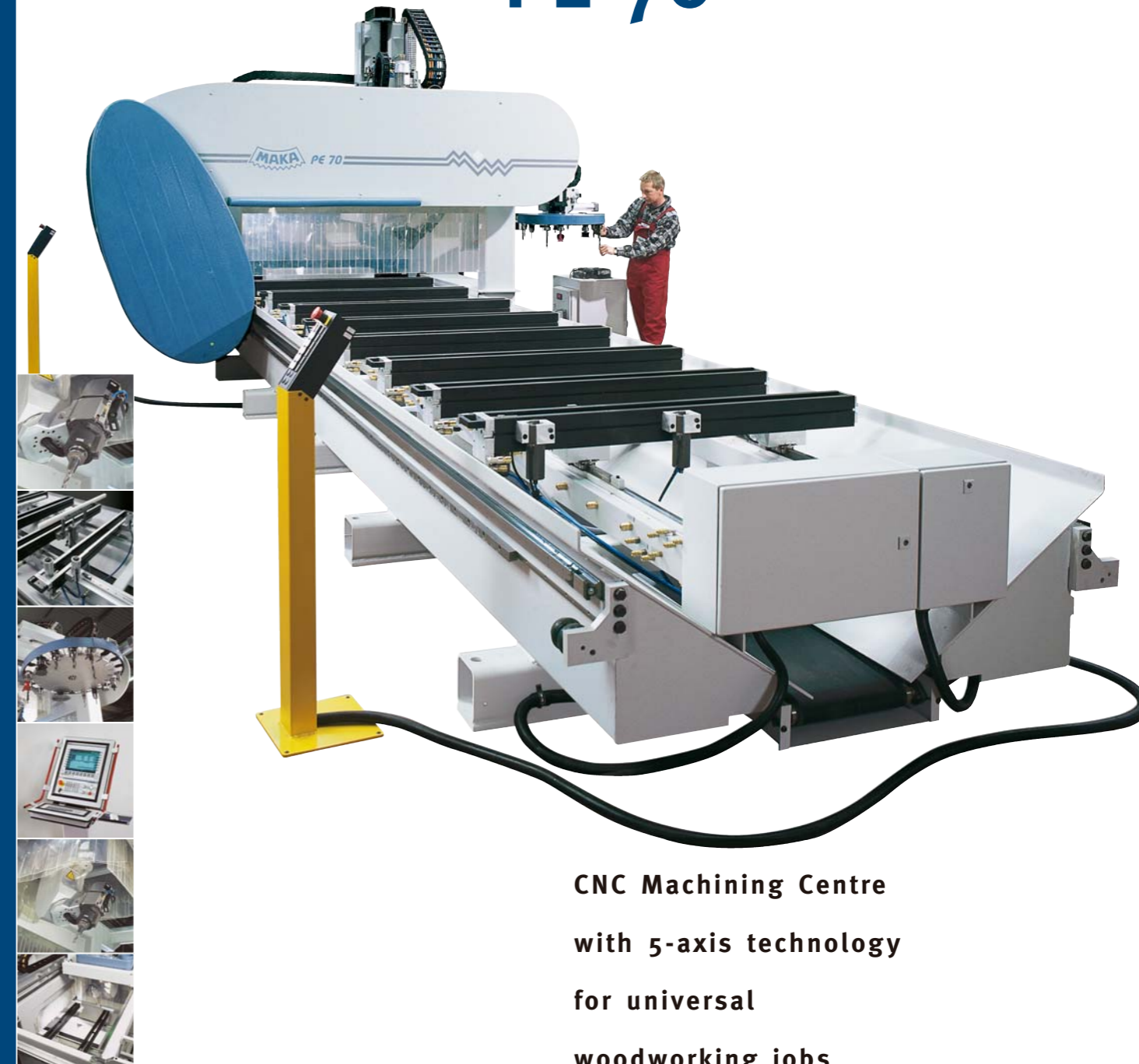
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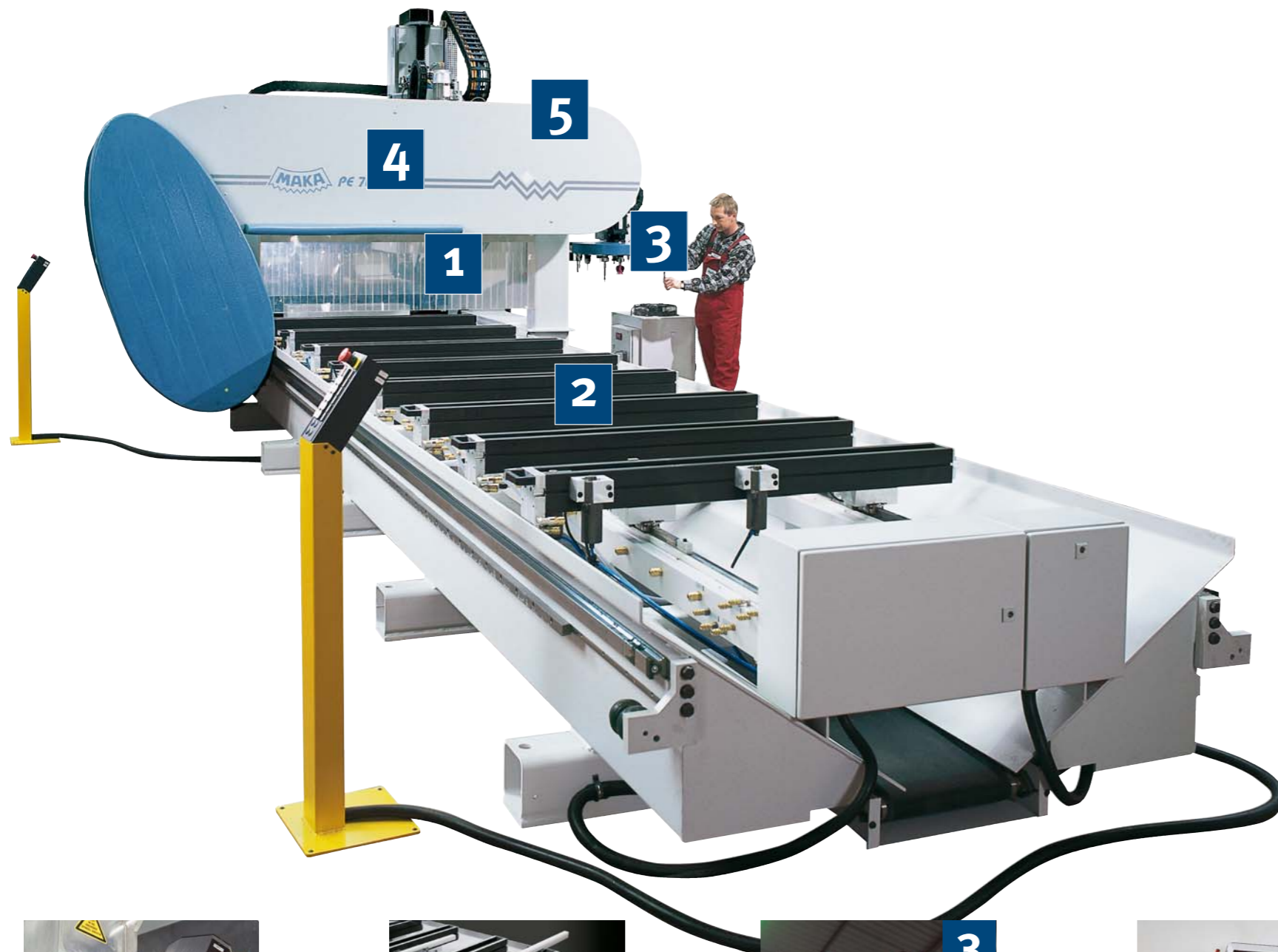
**CNC Machining Centre
with 5-axis technology
for universal
woodworking jobs**

Subject to technical alterations. 05/2005/pdf

PE 70

CNC Machining Centre with 5-axis technology

for universal woodworking jobs



Fields of application

The 5-axis universal machining centre **PE 70** is the economic version of the gantry-type CNC centre designed for the machining of steps, doors and other long workpieces.

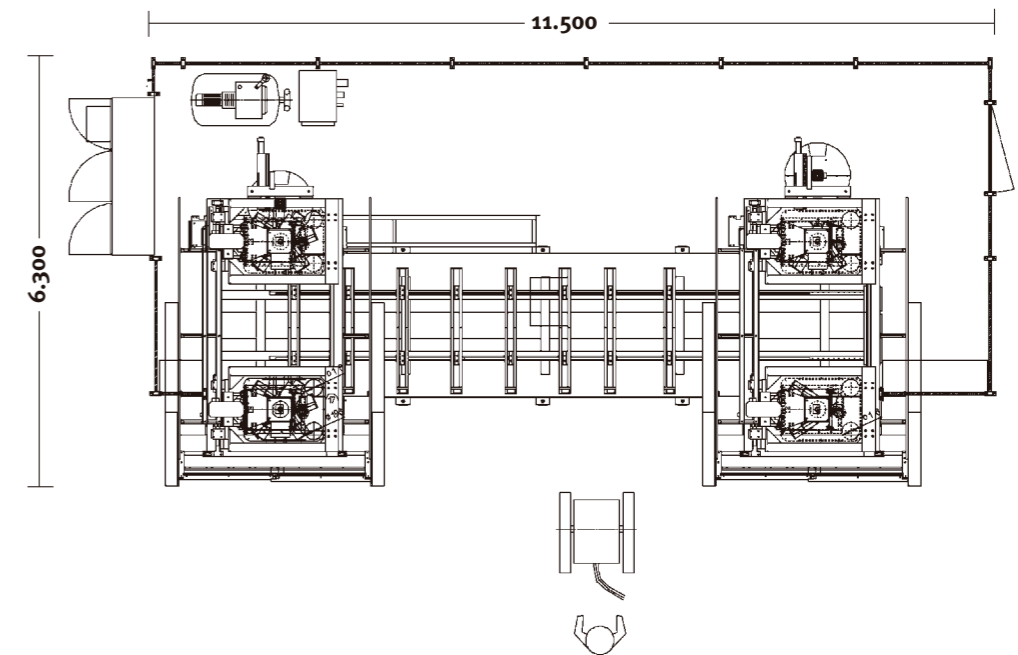
This machining centre comes with a horizontal drum-type tool changer, a double guiding system in the X axis, a Bosch Rexroth controller and a swarf collecting basket fixed mounted to the working unit.

Required space 6.300 x 11.500 x 3.000 mm
(B x T x H)

Customers profit from the field-proven 5-axis technology, latest controller technology and a top price-performance ratio.

In addition to high acceleration speeds and machine precision, field-tested mechanical and electrical components guarantee high availability and a long-term service life and demonstrate economic efficiency of the new **PE 70 series**.

Machine weight approx. 8.000 kg



1
Routing unit
As standard spindle we offer HSK F 63



2
Machine table
with 8 supporting bars, rapidly adjustable



3
Tool magazine
Drum-type tool magazine, horizontal, 20 magazine places



4
CNC controller
Bosch Rexroth MTX, integrated PC



4
Management of waste disposal
Swarf collecting basket fixed mounted to working unit



5
Gantry
Double guiding system in X axis