

Technical Features

TABLE

Table size

Ø 320 mm

Tilting Axis (A-axis)

+30° / -120°

Rotary axis (C-axis)

360°

Table load capacity (horizontal)

100 kg

Table load capacity (vertical)

100 kg

Min.-max. distance from spindle to table (horizontal)

20 / 520 mm

'T' slots (number and size)

4 x 12 mm

TRAVERSES

Longitudinal traverse (X)

450 mm

Cross traverse (Y)

460 mm

Vertical traverse (Z)

500 mm

MAIN SPINDLE

Spindle taper

BBT40 / ISO (SK) 40 DIN 69871

Drive system

Directo / Zuzena / Direct / Direct / Direkt

Max. spindle speed

12.000 rpm

Power (S1/S6)

7,5 / 13 kW

Torque (S1/S6)

48 / 83 Nm

TRANSLATION

System

Guía lineal rodillos / Arrabol motako gida lineala / Roller type linear guideway / Glissière linéaire à rouleaux / Linear-Rollenführung

Nº of guideways (X-Y-Z)

2 - 2 - 2

Runner blocks (X-Y-Z)

6 - 4 - 4

FEEDRATES

Rapid feedrates (X-Y-Z)

30 m/min

Rapid feedrates (A)

15 rpm

Rapid feedrates (C)

20 rpm

AUTOMATIC TOOL CHANGER

N° of tools

30

Selection system

Random / Ausazkoa / Arm type / À bras / Doppelgreifer

Tool replacement time

2,5 s

ACCURACY

Positioning (X-Y-Z)

± 0,005 / 300 mm

Repeatability (X-Y-Z)

± 0,003 mm

Indexing accuracy (A/C)

12 s

Repeatability (A/C)

4 s

OPTIONAL EQUIPMENT

Max. spindle speed

15.000 rpm

GENERAL INFORMATION

Floor space required

2.200 x 2.370 mm

Machine height

2.650 mm

Machine net weight

5.000 kg

Total power installed

24 Kw

Standard and optional equipment

- Standard

- Optional

Direct measuring encoders in A and C axes

Direct driven spindle

Main spindle bearings air-oil lubrication

Spindle oil thermal stabilization

BIG PLUS system, taper and face double contact

Spindle taper ISO 40 DIN 69871, HSK-A63...

Recirculating linear roller guideways

Measuring system by means of linear scales on all axes X, Y, Z

Direct connections to the ballscrews

Safety brake for the Z axis

Air blast through the main spindle

Air blast for workpiece cleaning

Air gun

Coolant gun

Automatic tool changer of 30 tools (Arm type/Bidirectional)

Machining functions in 3D

Collision-free software

Electrical cabinet with air conditioning

Pump for cleaning of the enclosure

Rigid tapping

Coolant through the spindle (20/40 bar)



Chain type chip conveyor



Tool setter



Measurement workpiece electronic probes