

Technical Features

TABLE

Table surface

1.000 x 460 mm

T slots

5 x 18 x 80 mm

Max. weight on the table

400 kg

Table to floor height

900 mm

TRAVERSES

Longitudinal traverse (X)

850 mm

Cross traverse (Y)

510 mm

Vertical traverse (Z)

630 mm

HEAD

Main spindle power (S1/S6)

7,5 / 9 kW

Spindle taper

BT 40

Speed range

8.000 rpm

Transmission

Polea-correa / Polea-katea / Belt-pulley / Poulie-courroie / Riemenscheibe

Distance from spindle to table (min./max.)

140 ÷ 770 mm

Distance from spindle to column

550 mm

TRANSLATION

System

Guía lineal bolas / Bola motako gida lineala / Ball-type linear guideway / Glissière linéaire à billes / Linear-kugelführung

N° of guideways (X-Y-Z)

2 - 2 - 2

Runner blocks (X-Y-Z)

4 - 4 - 4

Ø ballscrews

32 x 12 mm

Rapid feedrates (X-Y-Z)

36 m/min

AUTOMATIC TOOL CHANGER

Selection system

Sombrilla / Itzalkin motakoa / Armless / Type parapluie / Teller

N° of tools (BT 40)

16

Tool replacement time

6 s

Max. diameter with adjacent tools (BT 40)

100 mm

Max. diameter with alternate tools (BT 40)

130 mm

Max. tool length (BT 40)

250 mm

Max. tool weight (BT 40)

8 kg

ACCURACY

Positioning

± 0,005 mm

Repeatability

± 0,003 mm

OPTIONAL EQUIPMENT

Speed range

10.000, 12.000, 15.000 rpm

Automatic tool changer

Random / Ausazkoa / Arm type / À bras / Doppelgreifer

N° of tools

30

GENERAL INFORMATION

Floor spare required

2.200 x 2.370 mm

Machine height

2.750 mm

Machine net weight

4.100 kg

Total power installed (FAGOR/HEIDENHAIN/FANUC)

23/20/21 kW

Standard and optional equipment

- Standard

- Optional

Electronic portable handwheel

Spindle oil cooler

Pressurization of the bearings of the main spindle

Coolant around the spindle -C.A.S.- (just ARM type automatic tool changer)

Safety brake for the Z axis

Direct connections to the ballscrews

Ball type linear guideways

Measuring system by means of rotary encoders on all three axes X, Y, Z

Air blast to clean the spindle taper while tool changes

Air blast for workpiece cleaning

Telescopic covers on 3 axes

Rigid tapping

Air gun

Coolant gun

RS-232C and Ethernet communication port

Automatic centralized lubrication system

Pump for cleaning of the enclosure

Electrical cabinet with cooling system

Electrical cabinet with air conditioning

2 low voltage machine lamps

Working status lamp

Spindle taper ISO 40 DIN 69871



Direct-drive spindle 12.000/15.000 rpm



Electro-spindle

Coolant through the spindle (20/40 bar)



Chain type chip conveyor



Tool setter



Electronic probe for adjustment, measurement and verification of piece



Electronic dividing head for 4th and/or 4th and 5th axes