

Technical Features

TABLE

Table surface

1.700 x 620 mm

T slots

5 x 18 x 125 mm

Max. weight on the table

1.300 kg

Table to floor height

980 mm

TRAVERSES

Longitudinal traverse (X)

1.620 mm

Cross traverse (Y)

700 mm

Vertical traverse (Z)

640 mm

HEAD

Main spindle power (S1/S6)

15 / 22 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.)

65 ÷ 705 mm

Distance from spindle to column

750 mm

TRANSLATION

System

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

N° of guideways (X-Y-Z)

2 - 3 - 2

Runner blocks (X-Y-Z)

6 - 6 - 6

Ø ballscrews

40 x 10 mm

Rapid feedrates (X-Y-Z)

30 m/min

AUTOMATIC TOOL CHANGER

Selection system

Random / Ausazkoa / Arm type / À bras / Doppelgreifer

N° of tools (BT 40)

30

Tool replacement time

2,5 s

Max. diameter with adjacent tools (BT 40)

76 mm

Max. diameter with alternate tools (BT 40)

150 mm

Max. tool length (BT 40)

300 mm

Max. tool weight (BT 40)

8 kg

ACCURACY

Positioning

± 0,005 mm

Repeatability

± 0,003 mm

OPTIONAL EQUIPMENT

Spindle taper

BT 50 / ISO (SK) 50

Speed range BT 40

10.000, 12.000, 15.000 rpm

Speed range BT 50

6.000 rpm

N° of tools BT 40

40

N° of tools BT 50

24 / 32

GENERAL INFORMATION

Floor spare required

3.800 x 3.040 mm

Machine height

2.900 mm

Machine net weight

11.000 kg

Total power installed (FAGOR/HEIDENHAIN/FANUC)

36/38/21 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
 - Recirculating linear roller guideways
 - Measuring system by means of rotary encoders on all three axes X, Y, Z
 - Pneumatic counter balance

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

Spindle taper ISO 50 DIN 69871



Direct-drive spindle 12.000/15.000 rpm



Electro-spindle

Coolant through the spindle (20/40 bar)

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



Chain type chip conveyor



ZF two-speed gearbox



Tool setter



Electronic probe for adjustment, measurement and verification of piece



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