

Machining center

State	NEW
Category	Machining centre
Brand	SCHAUBLIN
Model	51-5AX
Serial number	352713
Year of manufacture	-
Inventory number	0473



CHARACTERISTICS

NEW vertical machining center SCHAUBLIN type 51-5AX CNC
20'000 min-1, - HSK A50 - Numeric control unit HEIDENHAIN
iTNC530

5 axis rotary table

Include options

30 positions tool magazin (instead of 20) ref. 0510-111700-000
linear scales HEIDENHAIN for X/Y/Z ref. 051-10400-000

Technical datas

Travels

X-Axis (Longitudinal) : 300 mm

Y-Axis (Transversal) : 400 mm

Z-Axis (Vertical) : 430 mm

A axis : +30 ~ -120 °

C axis : 360 °

Distance spindle nose - table surface : 45 -475 mm

distance spindle center - column Table : 470 mm

Table

Table diameter size : 210 mm

Max weight on table : 50 / 75 Kg

T-Slots (Width / Number) : 12 / 4 mm/Nbr

Spindle

Taper size : HSK A50

Motor power : 18 KW

Drive : Direct drive

Speed range : 12000/15000/20000 min-1

Torque : 36.6Nm (min-1)

COMPOSITION AND ACCESSORIES



Axis Motor

Servo motor Heidenhain : 2.64(X/Y) 5.7(Z) KW

Feed

Rapid feed : [m/min] 30 m/min

Working feed : [m/min] 12 m/min

Tool Changer (ATC)

Carrousel capacity : 30

Shank type : HSK A50

Tool diameter max. : 80 mm

Diameter with adjacent pots empty : 95 mm

Tool weight max. : 6 Kg

Tool length max. : 250 mm

Tool change time (tool - tool) : 3 s

Accuracy (ANSI)

Positioning (X, Y, Z) : 0.007 mm

Repeatability (X, Y, Z) : 0.004 mm

Positioning (A axis) : 20 arc sec

Repeatability (A axis) : 8 arc sec

Positioning (C axis) : 10 arc sec

Repeatability (C axis) : 4 arc sec

Ball screws

Diameter (all axis) : 32 mm

Pitch (all axis) : 10 mm

Coolant supply

Tank capacity Control unit : 170 l

Type of control unit : Heidenhain iTNC 530

Electric consumption

Voltage : 400 V

Tolerated fluctuations : +/- 5 %

Frequency : 50 Hz

Tolerated fluctuations : +/- 5 %

Obstruction and weight

Netweight : 5750 Kg

Over-all-dimension (length-width-height) : 1800 x 2663 x 2568 mm

Diverse

Color of the machine : SCHAUBLIN standard 2 colors, color 1 :

Gris clair RAL 7035

Color of the machine : SCHAUBLIN standard 2 colors, color 2 :

Bleu cobalt RAL 5013

Machine and equipment conforme to CE standards : yes

Operating temperature : +15 to +30

Relative humidity : 10 to 75



