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

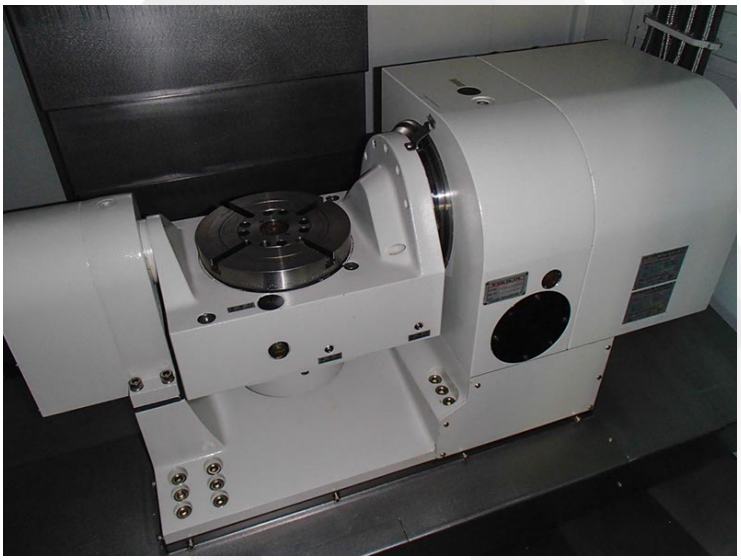
Travels
X-Axis (Longitudinal) : 300 mm
Y-Axis (Transversal) : 400 mm
Z-Axis (Vertical) : 430 mm
A axis : +30 ~ -120 °
C axis : 360 °
Distance spindle nose - table surface : 45 -475 mm
distance spindle center - column Table : 470 mm
Table
Table diameter size : 210 mm
Max weight on table : 50 / 75 Kg
T-Slots (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 lenght max. : 250 mm
Tool change time (tool - tool) : 3 s
Accuracy (ANSI)
Positionning (X, Y, Z) : 0.007 mm
Repeatability (X, Y, Z) : 0.004 mm
Positionning (A axis) : 20 arc sec
Repeatability (A axis) : 8 arc sec
Positionning (C axis) : 10 arc sec
Repeatability (C axis) : 4 arc sec
Ball screws
Diamteter (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


SCHAUBLIN MACHINES SA
51-5AX


51-5AX




HEIDENHAIN




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