

INVENTORY NR. 1700280 – Mectron MCH-81

Technical data - standard

X axis	400 mm
Y axis	300 mm
Z axis	400 mm
Heigh of spindle nose from chuck	155~555 mm
Max spindle speed	12'000 min-1
Rigid-tap speed	5'000 min-1
Spindle taper	BT30 / NT30
Spindle motor	3.7/5.5/7.5 kW
Feed speed	50m/min
Tool shank	BBT30 + MAS P30T-2
ATC, system	double arm
Number of tool posts	30
Tool to tool / chip to chip	1.2 / 2.8 sec.
Max tool dimensions	Ø 80 x 200 mm (Ø 65 when adjacent tool existent)
Max tool weight	2.5 kg
Voltage	400V / 3ph
Power	18.2 kva
Positioning precision	0.005 mm
Repeatability	±0.003 mm
Numeric control	Fanuc 31i-B5
C axis (work-axis)	DD motor
Index angle	360°
Index speed	200 min-1
Chuck size	6
Bar	Ø 80x1000 mm
Piece	Ø 80x120 mm
Workspindle bar capacity / speed	Ø 50 / 1'000 min-1
B axis, cross rotary table	90°
A axis (reversal axis) work left/right index	360°
U axis (reversal axis), travel	250 mm
X axis (reversal axis), travel	150 mm

OPTIONS

Bar feeder
Out conveyor
Stocker
Auto door
Coolant unit
Auto intensive lubricator
Machine light
Signal tower
Spindle air-blow
Tool breakage detector
Tool
Set-up

STANDARD FUNCTIONS :

Controllable axes 5
Inch/metric selection
Linear/circular interpolation
Canned cycle
Programmable data input
Custom Macro B
Work coordinate system
Rigid tapping
Extended part program editing
Tool offset pairs 32
Absolute position detection
Display unit 10.4' color LCD
Part program storage length 256kB
Fast data server 2GB
AI contouring control II
High speed smooth TCP (Tool Center Point control)
Background editing

OTHER FUNCTIONS :

Scaling
Work piece coordinate coordinate system rotation
48 sets of addition of the work coordinate system
Run hour and part count display
Tool management function 64,240,1000

Standard RS 232C, memory card, Ethernet, memory USB

Errors or omission excepted, data given without obligation.