

KUNARK HITECH MACHINING & SALES PVT.LTD.



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Machine Id	:- 130	Serial No	:-
Category	:- Horizontal Machining Centre CNC (HMC)	Model	:- makino mc-65
Country	:-	Make	:- makino
Type of Machine	:- horizontal machining centre twin pallet	Year	:- 1985
Weight	:- 0.0	Dimensions	:-
Power	:-	Location	:-

Specification :-

Excellent working Condition, Working Dvd Available On Request.

Makino has 40 ATC

Twin Pallet 500x500mm

ISO 50 ,

Fanuc 11M,

1985

PALLET SIZE....: 20' X 20'

CROSS TRAVEL (X).....: 25'

VERTICAL TRAVEL (Y).....: 20'

LONGITUDINAL TRAVEL (Z).....: 20'

SPINDLE SPEEDS.....: 4,000 RPM

SPINDLE TAPER.....: 50 TPR

CONTROL TYPE.....: FANUC 11M

Description :--

For Higher Precision

Positioning accuracy (+,-)0.01 mm(0.0004 inch) full stroke (standard) (+,-)0.005 mm (0.0002 inch)full stroke (scale feedback) Repeatability (+,-)0.003 mm (0.00012 inch)(standard)(+,-)0.0015 mm (0.00006 inch)(scale feedback)

Boring diameter repeatability (+,-) 0.003 mm (0.000012 inch) bore

Table indexing accuracy (+,-)3 sec per 360

Pallet positioning and repeatability

(+,-)0.01 mm(0.0004 inch)(for X-, Y- and Z-axes)

For Better Machining Efficiency

Spindle output AC 11 kW (15 HP) (High power type- AC 1S kW (20 HP) 30 min.)

Spindle speed 10- 4000 rpm (S4 digit direct command) (High speed type- 10- 7000 rpm, Spindle nose NT-40)

Maximum workpiece dimensions 630 x 500 x 525 mm (25 x 20 x 20-3/4 inch)

Automatic indexing angle 360 planes in increments of 1

Rapid traverse 12 m per min (480 ipm)

Tool-to-tool time Approx. 3 sec.

Metal-to-metal time Approx. 9 sec.

Table indexing time 4 sec. for 90 ; 5.5 sec. for 180

Maximum workpiece weight 700 Kg (1540 lbs)

Number of tools 30 (40*,60*,99*, 120*)

Pallet Change time Approx. 40 sec.

THRU SPINDLE COOLANT

Table and Pallet

Table type -Pallet mounting type

Indexing angle -360 planes, in increments of 10

Pallet dimensions- 500 x 500 mm & 20 X 20 INCH

Width and number of T-slots on pallet-18MM X 5 & 11/16 inch x 5

Allowable load. on pallet - 700 kg & 1540 lbs

WorkPiece positioning-Edge locator system

Range of Movement

Table longitudinal (X-axis) -630 mm & 25 Inch

Spindle vertical (Y-axis)- 525 mm & 20-3/4inch

Table cross (Z-axis) - 500 mm & 20 inch

Spindle center to table top -60-585 mm & 2-1/4-23 inch

Spindle nose to pallet center- 150-650mm & 6-26 inch

Spindle

Spindle nose- 7/24 taper No. 50 40 50

Spindle speed- 10 - 4000rpm 7000 15000

Spindle speed change- Stepless

Spindle drive motor- AC11 kw (15kw)

Feed Rate

Cutting feed -0.1-4000 mm/min 0.0004-157.4ipm

Rapid traverse-12M/MIN 480ipm

Least input increment- 0.001mm 0.00004 inch

ATC

Number of tools- 40

Tool selection system- Bi-directional Random

Tool shank - MAS403-BT50 (SK shank or V-flange)

Automatically changeable tools

Maximum tool length - 400 mm 16 inch

Maximum tool weight (with shank) - 15kg 33lbs

Power Supply - 38kVA

Machine Weight - approx 7500kg 16500lbs