

CNC DIE & MOULD MACHINE - DX 653**TECHNICAL DATA**

Table		
Work table size	mm	520 x 620
T-slots: nos / size / center distance	mm	6 / 14 / 100
Max. load capacity on table	kg	500
Distance between columns	mm	630
Spindle mounting face to table	mm	160 – 480
Working Range		
X- axis travel (to and fro movement of worktable)	mm	600
Y- axis travel (left to right movement of spindle head)	mm	580
Z- axis travel (up & down movement of spindle head)	mm	320
Rapid movement of X / Y / Z axis	m /min	12 / 12 / 12
Linear guideways spec. X / Y / Z axis	mm	30 / 30 /30
Ballscrew spec. X / Y / Z axis	mm	32 x 05
Electricals		
Spindle motor power	Kw	5.5
Spindle speed	rpm	240000 - 30000
Weight & Dimensions		
Weight (approx)	kg	3300
Overall size – l x w x h	Mm	1900 x 1700 x 2100

ACCURACY & TEST CHART

Following reports will be provided along with the machine:

- Axes Calibration Report by LASER interferometer
- Angle Deviation Measuring Report by Reinshaw
- Geometrical Accuracy Report

FEATURES

- All major parts are made of graded cast iron – FG260 – duly stress relieved.
- C3 class precision ground ball screw and nut for all three axes (HIWIN/PMI make).
- Precision heavy-load-duty LMG (HIWIN/PMI make).
- Backlash-free servo couplings of NACHI/R&W/KRT make.
- Yinsh make precision lock-nuts for all axes.
- NSK Japan double angular contact matched pair ball bearings at front and a single at rear of ball screws.
- Herg make lubrication system of 110cc/min capacity.
- X-axis (table movement) is fitted with telescopic metallic covers and Y-axis is protected with organ type bellow covers.

SANDARD EQUIPMENTS

- MITSUBISHI CNC CONTROLLER M70 AVU
- MITSUBISHI Servo Motors and Digital Drives for X/Y/Z axis
- MITSUBISHI Spindle Motor: 5.5kw / 7.5kw
- MITSUBISHI Hand Wheel HD60
- Precision ground Ball Screws (C3 class) & LMGs for all axes (Hiwin / PMI)
- Set of Collets
- Coolant Pump
- Machine Lamp
- Fully enclosure system with way-covers and guarding
- Mounting Pad: 4 Nos.
- Tool Kit & User Manual

REQUIRED OPTIONAL ACCESSORIES

- 3-Phase Isolation Transformer
- 3-Phase Servo Voltage Stabilizer
- Air Supply
- Full-proof Earthing



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