



ROTOTHREAD

CNC THREAD MILLING MACHINE



EASIER

FASTER

ACCURATE

The ROTO THREAD CNC Thread Milling Machine is used to carry out the machining of Single Start, Twin Start, Multi Start and Variable Pitch Screws. We have model with end mills, machining length reaches up to 5000mm and Working Dia up to 200mm. We also Offer Customized Solutions to meet increased productivity.



ONE MACHINE MANY SOLUTION

- ▶ SCREWS FOR EXTRUDERS
- ▶ PLASTIC INJECTION MOULDING
- ▶ PLASTICIZING MACHINES
- ▶ EXTRUSION PLANTS
- ▶ FOOD PROCESSING
- ▶ CONVEYOR PUMPS
- ▶ RUBBER EXTRACTION MACHINES
- ▶ BLOW INJECTION MOULDING MACHINES
- ▶ FOOD MACHINERY AUTOMATIC FRYER
- ▶ CABLE AND WIRE EXTRADITION MACHINES



Mechatronics Solutions-Made for you

BALAJI
AUTOTECH



ROTOTHREAD

CNC THREAD MILLING MACHINE

SPECIFICATION	DESCRIPTION	ROTO 2030	ROTO 2040	ROTO 2050
	THREAD MILLING DIA	200 mm with Bush type job support		
	MAX. THREAD MILLING LENGTH	3000 mm	4000 mm	5000 mm
	MAX. JOB WEIGHT (HORIZONTAL)	600 kg		
	ROTARY TABLE CHUCK (MANUAL) DIA	320 mm		
	ROTARY TABLE BORE DIA	100 mm		
	ROTARY TABLE ROTATION SPEED	13.8 (with 2000 Max rpm of Servo Motor)		
	T-SLOT SIZE	14X8 mm		
	INDEXING ACCURACY	±15" arcsec (Optional ±4" with external direct encoder)		
	AXIS POSITIONING ACCURACY	0.01 mm		
AXIS REPEATABILITY	0.05 mm			
RAPID TRAVERSES	6000 mm/min			
FEED RATES (INFINATELY VARIABLE)	1 to 5000 mm/min			
MAX MILLING HEAD SPINDLE SPEED	3000 rpm			
SPINDLE TAPER TYPE	BT-50			
TOOL CLAMPING	Manual Draw bar type (Optional Hydraulic)			
COOLANT PUMP FLOW	63 lpm with 100 Lts Tank Capacity			
BED GUIDEWAY	Linear Motion Guideway with Casting Bed			
HYDRAULIC POWER PACK RATING	0.37 kW & 5.7 lts			
INTERFACE PANEL	Machine Mounted with air conditioner			
GUIDEWAY PROTECTION COVER	X and Z Axes guide (No protection for Tailstock Guide)			
MACHINE COLOUR	HM shell White /Signal Red Combination			
OVERALL MACHINE SIZE IN mm (LXWXH)	5420x2360x2250	6420x2360x2250	7420x2360x2250	
APPROXIMATE WEIGHT IN kgs	9500	11000	12500	

SMART FEATURES



CNC

We offer reliable, user friendly and high efficiency CNC controllers from FANUC or SIEMENS giving the best results from every operator



INTERFACE PANEL

Ergonomically designed with indigenous make switchgear, ensuring the system safety and uninterrupted workflow



BALL SCREW

High precision ball screws will be used axix to ensure the smooth & precise positioning



OPERATOR CONSOLE

Ready to operate, pre-tested high-end controller panel, well designed and rugged enclosure



MILLING HEAD

Rigid and high speed milling head for thread milling operation with BT50 taper



C-AXIS

High resolution rotary encoder used to ensure accurate positioning for milling multi start and twin screw

ADDITIONAL FEATURES

- ▶ Machine Guarding
- ▶ Automatic Tool Clamping
- ▶ AC Servo Spindle Motor
- ▶ Live Machining View IoT
- ▶ DNC Network
- ▶ Internal Threading
- ▶ Hydraulic Steady Rest
- ▶ High Resolution External Digital Encoder
- ▶ Job Monitoring IoT
- ▶ Whirling Head

Products

CNC Flame / Plasma Cutting Machine
 CNC Retrofit & Automation
 CNC, Plasma Source and Torches
 GIVI Misure DRO, Encoder & Scales
 Special Purpose Machines



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