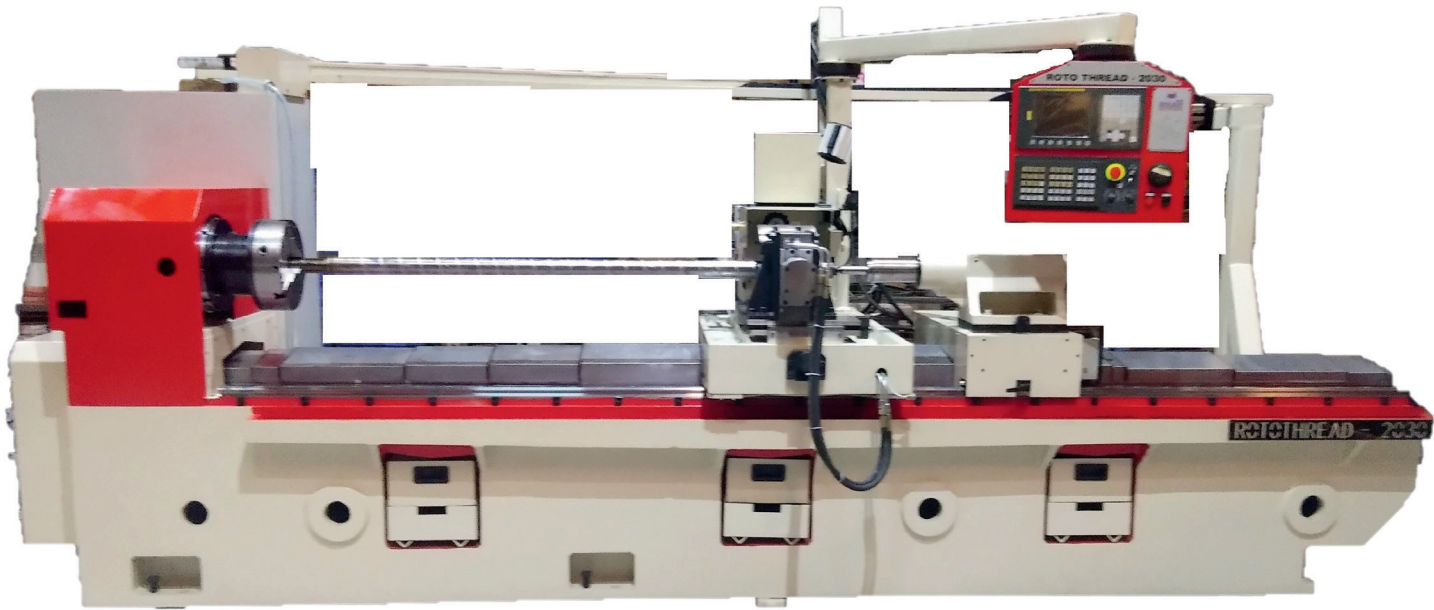




ROTOTHREAD

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



CNC THREAD MILLING MACHINE

SPECIFICATIONS

| DESC | ROTO2030 | ROTO2040 | ROTO2050 |
|------------------------------------|---|----------------|----------------|
| 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 (INFINITELY 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 Guidway 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 for axis 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

Products

CNC Flame / Plasma cutting machine
CNC Retrofit and Automation
CNC, Plasma source and Torches.
GIVI MASURE DRO, Encoder and scales
Special purpose machines.



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