

TWIN SPINDLE GEARTOOTH CHAMERING MACHINE FOR LAYSHAFT (13 TEETH)

MODEL : GANTRYMILL_II

Features:

1. RIGID STRUCTURE .
2. Use of Precision LM guideways and ballscrews for optimum performance and longer life
3. Low power consumption
4. High speed spindle-2NOS. Spindle speeds infinitely variable.
6. Automatic Lubrication
7. Various options for CNC controllers:



Machine Specification :	
Travel : X axis	400mm
Travel: Y axis	300mm
Travel: Z axis	120 mm
Rapid travel	5000 mm/min
Height of tool holder from table	500mm
Work table size	400x400
Spindle runout	0.006 mm
Spinde Speed	24000 RPM Infinitely variable
Spindle motor	HIGH FREQUENCY SPINDLE 3.5KW Watercooled
Interpolation	Linear and circular
Automatic coolant control	STANDARD (FOR SPINDLE COOLING)
Automatic Lubrication	STANDARD
Input System	Metric/ Inch
Repeatability	± 0.01 mm
Floor Area	1100 mm x 1800 mm
WEIGHT	1100 KG APPROX
CNC CONTROLLER	LNC MAKE . MODEL: M5800DS3
Fixturing	Fixturing system as per Customers requirement (Pneumatic) Details on page#2

- # Machine stops automatically in case of Dash or accident
- # Partcount function: Standard
- #FIXTURING : Semi Automatic. Part loading and unloading will be manual.
Orientation will be manual. Clamping and declamping will be automatic.
Pneumatic clamping will be provided.
- # Precision LM guideways HIWIN make
- # Precision Ballscrew HIWIN make
- # Pneumatic parts : JANATICS make
- # Cycle time @ 25 sec. Loading and unloading time @ 30 sec. Special loading and unloading arrangement is required.
- # Tool details to be specified by KTTPL . We have already received two tools. We will conduct trials in front of your engineer.
- # Tool life @ 500 parts. This is an approximation. It will depend on the tool
Quality,input material burr amount, material properties and acceptance criterion.
Actual Tool life to be validated during trials at our Saswad factory on Layshaft
- #Two buttons to be provided for Cyclestart
- #compatibility with robotic loading unloading. Interfacing of robot with the machine can be done. All expenses for PLC programming, additional I/Os, and mechanical assemblies if required for this interfacing will be charged extra.
- # Provision for FD gear chamfering can be done using separate fixture
- # Userfriendly loading and unloading of parts using suitable lifting device

- SPECIFICATIONS ARE SUBJECT TO CHANGE AS AND WHEN REQUIRED WITHOUT PRIOR NOTICE.