



PRECI-CUT

Face Milling & Centering Machine

MODEL : FCAM 110 / FCAM 150



Chip Auger



- Designed for Heavy Cut Load
- V & Flat Index Slide Guideways.
- Milling Head Retract to avoid Back Cut & Line Mark on Job.
- High Productivity
- Low Cost

Face Milling & Centering Machine

MODEL : FCAM - 110 / FCAM 150

Machine Bed

Machine Bed is MS Fabricated stress relieved made in 12mm Thick Plate. It has fitted with 100 x 30mm Hardened ground Guide ways spaced at broad width 310mm apart.

On this guide ways, Milling Head Stock Index slide with V & Flat Hardened guide ways is fitted to absorb heavy cut loads of Face Milling.

Milling Head Stock

Milling spindles with ISO 40 Taper are supported by two Precision taper roller bearings. ISO 50 Spindle is supported by Two Precision Taper roller bearing at front side & Roller bearing at back side.

Milling head stocks are fitted on Rigid Dovetail slide to avoid the back cut error on component while returning to home position. Drive given is by timing belt. Change of speed is by changing timing pulley.

Centring Head Stock.

Centring Head stocks are fitted with ISO30 Spindle with Two precision Taper Roller Bearings.

Spindle is fitted with ER Series Collet chucks for True running of Centre drill.

Centring Head Stock is fitted on linear Motion Guide ways slide with 100mm Stroke.

Vices

The job is clamped by two self centering vice assy. (LH / RH screw with G.M. nut & V-flat Jaws).

The vice screws are rotated by hydraulic motor.

Standard Scope of Supply

- MS Fabricated Heavy Stress Relieved Base.
- Graded Cast Iron Slides with V & Flat Hardened Guideways,
- Heavy Duty Milling & Centring Head Stock Assembly with precision Bearings.
- Complete Hydraulic Power pack unit.
- Complete Coolant System with Piping & Rajmane Make Coolant Pump.
- Centralized Lubrication system with Automatic lubrication Unit of Cenlub Industries.
- Complete Electrical Panel with Switchgears & Mitsubishi make PLC.
- Half Cover Push in Type Coolant splash Guard System.
- Direct Read out Position Indicator for LH Side for fast setting of Job Length.
- Operation Tool Kits & Spanner sets.
- Instruction Manual.

Optional Accessories

- Full Body Cover With Front Sliding Doors.
- Widia Make Milling Cutters.
- Screw Type swarf Conveyor with Chip Tray.
- Two Years Maintenance Spare kit.
- Special Tools & Fixtures if required for Components.

Application

Forging Industry, Machining Industry, Automobile, Aerospace, Agriculture, Pump Industries, Marine Industries, Railway Industry.

Specification	Model : FCAM-110	Model : FCAM-150
Maximum Facing Diameter	Ø 110	Ø 150
Maximum Job Clamping Diameter	Ø 25 - Ø 125	Ø 25 - Ø 160
Maximum Admit Job Length	1000 / 1500 / 2000 mm	1000 / 1500 / 2000 mm
Minimum Admit Job Length	140 MM	200 mm
Milling cutter Size	Ø 125	Ø 160
Spindle Taper	ISO 40	ISO 50
Centring Slide Stroke	100 mm	100 mm
Centring Collet chuck	ER 32	ER 32
Centre drill size	BSS 3 TO BSS 6 As per IS	BSS 3 TO BSS 6 As per IS
Self Centring vice assembly	Operated By Hydraulic Motor	Operated By Hydraulic Motor
Centring slide Feed	Hydraulic Infinite Variable Feed	Hydraulic Infinite Variable Feed
Milling Slide Feed	Hydraulic Infinite Variable Feed	Hydraulic Infinite Variable Feed
Milling cutter back Slide	Hydraulic Rapid Return	Hydraulic Rapid Return
Milling Spindle Speed	Positive Drive By Timing Pulley	Positive Drive By Timing Pulley
Centring Spindle Speed	Timing Pulley Optional By VFD.	Timing Pulley. Optional By VFD.
RH Milling Spindle Power	5 HP	7.5 HP
LH Milling Spindle Power	5 HP	7.5 HP
RH Centring Spindle Power	1 HP	1 HP
LH Centring Spindle Power	1HP	1HP
Hydraulic Motor Power	3HP	3 HP
Coolant Motor Power	0.15 HP	0.15 HP
Automatic Lubrication Unit	0.10 HP	0.10 HP
Total Connected POWER	15.15 HP	20.15HP

PRECICUT TOOLS reserves the rights to change the specifications without any prior notice for its product up gradation & modifications.

Manufactured by : **Preci-Cut Tools**

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