

Product Name :
Heavyduty Geared Slotting Machine

Product Code :
NLAB-MACHINELABWK18003



Description :

Heavyduty Geared Slotting Machine

Technical Specification :

The constant research and regular investigations into new materials & methods got into high class products and first class service is our policy.

CONSTRUCTION OF MACHINE :

COLUMN : The column consists of two parts which are adequately ribbed & securely held together to form a rigid unit. The deep throat enables a wide variety of parts to be machined.

DRIVE : The electric motor drives the clutch pulley and the gears fitted in the column. From there the power is transmitted to the ram by the means of link mechanism. The ram-movement is started by engaging clutch. The link mechanism allows for an accelerated ram movement in return stroke. Ram speed changes are effected by sliding gears controlled by shaft through gear box.

RAM : The ram is well ribbed and is quite sturdy. A taper wedge is provided for smooth running. The ram can be tilted 5 degree on demand and swiveled 10 degree in case of 400 mm stroke.

TABLE: The table is circular and is provided with T-Slots. It is divided on its circumference into 360 degrees. A tapered whole is provided in the centre of the table for reception of the centering

mendral while machining circular slotting work. Direct indexing is provided for accurately locating the table in various positions.
FEED : The feed mechanism mounted on the column through side gear box. The feeds are infinitely within the range of 0.2 mm to 1.5 mm. In case of 450 mm stroke 0.2 mm to 2 mm per cycle. The feeds can be adjusted when machine is at the rest.

Model AMI 150

OUTSTANDING FEATURES :

High grade casting for wear resistance and rigidity.
Single lever control for changing the speeds.
Centralised machine controls on operating side.
Steel gears sliding on multi splined shafts.
Drum clutch for stopping ram at any position.
All shafts are carried on Ball Bearings.
Hand operated automatic pump for lubrication.
Indirect indexing by dividing attachment.
Variable automatic table feeds in all directions is optional.

EXTRA EQUIPMENTS :

True Chuck, Electric Motor, Starter, Vee Belts, Lubrication Pump, Special Index Plate, Bellows, Longitudinal & Cross Auto Feed, Rotary Table Auto Feed, Tilting Head $\pm 5^\circ$, Swivel Head 10° for 400 mm stroke(cooper type).

Size

Stroke

(adjustable)

Speed

**Stroke
per min.**

**Electric
Motor
Required**

HP.

**Table
Size**

**Capacity
of Round
Bar**

**Capacity
of Square
Bar**

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