

GENERAL INFORMATION OF AUTO-25

Auto-25 automats are ideally suited for the Manufacture of precision parts and components from ferrous and non-ferrous Bar stock such as Bolts, Nuts Screws, Rivets and Pins etc., for use in the Manufacture of automobile components textile spares, measuring instruments and surgical components etc. The design of these machines are particularly meant for batch production and the working range can also be increased with different attachments.

MACHINE BASE

The 10mm thickness mild steel fabricated base carries the various part and assemblies of the machine and designed for permanent rigidity and accuracy.

HEADSTOCK

The high grade cast iron headstock is machines accurately using high quality machineries. It is robust structure consists of main spindle runs is pre-selected, pre-loaded ball bearings both in from and rear which can withstand the load while machining. The headstock and the end bracket are mounted on the machine base guided by guide bars which serve to support the cross slide and tailstock. The headstock is designed in such a way it can also withstand the load of vertical slide assembly.

MAIN DRIVE

The main spindle is driven by a two HP two speed motor with endless V-belt over an intermediate counter shaft and controlled by specially designed panel board.

COOLANT SYSTEM

A built in coolant system is furnished as a standard equipment. This system contains coolant which cools and lubricates the material and cutting tools. It is actuated by an accessible gear pump driven by a chain from the feed motor and circulates the coolant Oil.

Other attachments like double vertical slide, cross slide, tailstock and long turning attachment are made of high grade cast iron and perfectly machined to withstand proper loads while for machining processes.

All these attachments are operated by cams. To get high accuracy in the components all the cams are to be machined and ground accurately as per the cam design.

TECHNICAL DATA

- | | |
|--------------------------------------|------------------|
| 1. Type of Machine Model | - AUTO - 25 |
| 2. Maximum Bar Capacity | |
| a) Round DIA | - 25mm |
| b) Hexagon A/F | - 22mm |
| c) Square A/F | - 18mm |
| 3. Maximum Turning Length | |
| (with longitudinal turning slide) | - 70mm |
| 4. Maximum Tailstock Collet Capacity | |
| (A3 Type Collet) | - 13mm |
| 5. Stroke of Cross Slides | - 22mm |
| 6. Maximum Tailstock Travel | - 100mm |
| 7. Spindle Speeds (12) | - 550-4000rpm |
| 8. Production Rate | - 28-2100pcs/hr |
| 9. Power Rate of main spindle motor | - 1.3/1.5kw |
| 10. Power rate of feed motor | - 0.37kw |
| 11. Nett weight of machine | - 500Kgs |
| 12. Gross weight of machine | - 750Kgs |
| 13. Packing case detail | - L X B XH (mm) |
| | 900 X 700 X 1500 |

NOTE :

All these specification are subject to change without notice, as the design is constantly being improved.

Manufactured by :

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