

# ARROW AUTOMATS YOUR VERSATILE PARTNER



Priced Economically  
Consistent Accuracy & Proven Quality  
Easy Interchangeability & Repeatability  
Cuts - Downtime & Maintenance Costs  
High Precision Components to be Turned  
for Mass Production



Model : Arrow 25 & 32

ARROW MACHINE TOOLS

Arrow Automats are ideal Machine for Manufacturing components of Simple, complex & precision from ferrous, non-ferrous material of rounds, square & hexagonal shapes. These components can be completely machined with minimum setup and consistent quality can be achieved with minimum investment. Now Arrow Automats widely accepted more than 1500 customers throughout India and also abroad.

## Special Features

### Cabinet

M.S. Strong 10mm Steel Fabricated structure duly reinforced to avoid vibration, and its precisely machined to maintain accuracy. Arrow-32 base is specially designed to accommodate more chip area with coolant motor provision for Arrow 32.

### Spindle

Main Spindle is made of case hardened steel from forgings and precisely hardened and ground to maintain 5 micron accuracy. All threads are thread grounded. Imported bearings are used in spindle assembly. Arrow 32 spindle designed with four bearings to withstand heavy load.

### Guide Shafts

These shafts are duly hardened & ground and hardchrome done for increased life.

### Vertical Slides & Cross Slides

All moving slides are made of Spheroid Graphite Iron, and machined & scrapped to avoid frequent wear & tear.

### Barfeed Systems

Gravity weight operated system for Arrow 25. Silent Barfeed System with guide support bearings for Arrow 32.

### Electricals

All electricals are reputed make and free from maintenance.

#### STANDARD ACCESSORIES

- Double Vertical Slide Attachment
- Tail Stock Attachment
- Bar Feed Attachment
- Automatic electric shut-off
- Machine Lamp
- Motors & Std Electricals
- Cross Slide Attachment
- Straight Arm Stopper
- Single Open Tool holders
- Front & Rear
- Silent barfeed attachment (for A 32)
- Conversion Kit (for A32)
- Coolant Motor (for A32)

#### OPTIONAL ACCESSORIES

- Double/Triple Tool Holders
- Hand Chucking Attachment
- Long Turning Slide Attachment
- Front/Rear
- Rocker Type Tool Holders
- Step Turning Tool Holder
- Double Drilling Attachment
- Four Station Turret
- Centering & Stopping attachment
- Swing Stopper Attachment
- Drilling & Threading attachment
- Electromagnetic Clutch brake system
- Pneumatic Clamping with pedal operation
- Auto Loading/Unloading attachment

| SPECIFICATIONS                     | ARROW 25          | ARROW 32          |
|------------------------------------|-------------------|-------------------|
| <b>Max Bar Capacity:</b>           |                   |                   |
| Round                              | 25mm              | 32mm              |
| Hexagon                            | 22mm              | 27mm              |
| Square                             | 18mm              | 24mm              |
| Cross Slide Stroke                 | 22mm              | 22mm              |
| Max Turning Length with L.T. Slide | 70mm              | 70mm              |
| Max Tail Stock Travel              | 100mm             | 100mm             |
| Max Capacity of Tail Stock Collet  | 13mm              | 13mm              |
| Spindle Speeds (12 Steps)          | 550 to 4000 RPM   | 550 to 4000 RPM   |
| Production Rate                    | 28 to 2100 Pcs/Hr | 28 to 2100 Pcs/Hr |
| Work Spindle Motor                 | 1.7/2.2 HP        | 3 HP              |
| Feed Drive Motor                   | 0.5 HP            | 0.5 HP            |
| Net Weight (Approx)                | 700 Kg's          | 800 Kg's          |
| Packing Dimension (in mm)          | 1300 x 720 x 1900 | 1300 x 800 x 1900 |



**ARROW MACHINE TOOLS**

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