

# APH MACHINE INDIA PVT. LTD.



APH MACHINE  
India Pvt Ltd

**Delivering Excellence**



# Mini Copy Router

The Machine Is Used For Copy-Routing For Different Shapes Of Holes & Grooves,  
The Motor Is Accelerated To Achieve The High Milling Speed (22000 Rpm/Min.)  
It Can Process Both Aluminium, Pvc & Upvc Profile.

With The Pneumatic Driving System, It Can Process The Water Slots, Hardware Holes,  
Keyway Holes It Has The Features Of Easy Operation And High Reliability.

- Router Motor Standard Grade (Single Phase Power) 22000r/min
- Cutter Bit (HSS-E 6\*8\*14\*60mm Regular)
- Automatic Motor On/Off Sensor (New in Industries)
- Manual Clamp - De clamp Operation
- Auto & Manual Mode (New in Industries)
- 12mm HE30 Grade Aluminium Base Plate (590\*430\*10mm)
- Die Plate having 17 different slots
- Heavy duty hard chrome Shaft & Lanier Bearing
- Aluminium casting structure for router motor base
- Two Hand operation manual locking system
- Height & Depth adjustment locking system
- MS Powder Coated Body
- Centre & Length Fixture

## Technical Parameters

Power Supply & Input Power	230-240~ 50-60Hz – 1650W
Cutter rotational speed	22000r/min
Overall Size	H650mm * W650mm * L750mm
Processing Range	240*160mm



# Pneumatic Copy Router Machine

The machine is used for copy-routing for different shapes of holes & grooves, the motor is accelerated to achieve the high milling speed (22000 rpm/min.) It can process both Aluminium, PVC & UPVC profile.

With the pneumatic driving system, it can process the water slots, hardware holes, Keyway holes it has the features of easy operation and high reliability.

- Makita Make Router Motor (Single Phase Power) 22000r/min
- Cutter Bit (HSS-E 6\*8\*14\*60mm) & (HSS-E 6\*8\*14\*80mm)
- Automatic Motor On/Off Sensor (New in Industries)
- Auto & Manual Mode (New in Industries)
- 12mm HE30 Grade Aluminium Base Plate (590\*430\*10mm)
- Die Plate having 17 different slots
- Heavy Duty hard chrome shaft & Lanier bearing
- Pneumatic Locking System (Air Pressure Requite up to 5 to 7 Kg/cm<sup>2</sup>)
- Italian lubricant technology Pneumatic Spray Valve for bur free cutting
- Aluminium casting structure for router motor base
- Two Hand operation manual locking system
- Height & Depth adjustment locking system
- MS Powder Coated Body
- Centre & Length Fixture

## Technical Parameters

Working Air Pressure	5 to 7 Kg/cm <sup>2</sup>
Power Supply & Input Power	230-240~ 50-60Hz – 1650W
Cutter rotational speed	22000r/min
Overall Size	H1400mm * W750mm * L750mm
Processing Range	240*160mm



# Heavy Duty Copy Router Machine (CI Casting Body Structure)

The machine is used for copy-routing for different shapes of holes & grooves, the motor is accelerated to achieve the high milling speed (8400 rpm/min.)

It can process industrial profile, Aluminium & UPVC profile.

With the pneumatic driving system, it can process the water slots, hardware holes, Keyway holes it has the features of easy operation and high reliability.

- Heavy Duty Motor (3 Phase 3 HP Power) 8400r/min
- Cutter Bit (HSS-E 8\*8\*14\*60mm Heavy) (HSS-E 8\*8\*14\*80mm)
- Automatic Motor On/Off Sensor
- Auto & Manual Mode
- Heavy Duty CI Casting Base Plate (T100mm \* L650mm \* W435mm)
- Die Plate having 17 different slots
- Heavy Duty hard chrome shaft & Lanier bearing
- Electro Pneumatic Panel
- Pneumatic Locking System (Air Pressure Requite up to 5 to 7 Kg/cm<sup>2</sup>)
- Italian lubricant technology Pneumatic Spray Valve for bur free cutting
- Heavy Duty Cast Iron Base Structure
- Two Hand operation manual locking system
- Height & Depth adjustment locking system
- MS Powder Coated Body
- Centre & Length Fixture

## Technical Parameters

Working Air Pressure	5 to 7 Kg/cm <sup>2</sup>
Power Supply & Input Power	0.75Kw/HP, 415V 50Hz
Cutter rotational speed	8400r/min
Overall Size	H1650mm * W900mm * L750mm
Processing Range	250*300mm





# Aluminium Section Punching Machine

## Single Die (1D), Double Die (2D), Four Die (4D)

**This machine used for various punching process in the manufacturing of aluminium & UPVC doors & windows. Punch different kind of profile by changing the punching die.**

- 3 Different Model - Single Die(1D), Double Die(2D), Four Die(4D)
- Pneumatic Punching Operation (Air Pressure Requite up to 5 to 7 Kg/cm<sup>2</sup>)
- Heavy Duty Special Design Pneumatic Cylinder (200\*25mm) SPAC Make
- Heavy Duty MS Bottom Base Plate & Top Plate (303\*250\*20mm)
- Heavy MS Powder Coated Body
- With Punch Footpad Pneumatic foot valve control
- Very Easy to change the die with Male-Female die assembly
- Two Pneumatic Cylinder & Two Footpad Pneumatic foot valve control in 4D model for fast production
- In 2D & 4D Model you can use all dies together for fast production

### Technical Parameters

Working Air Pressure	5 to 7 Kg/cm <sup>2</sup>
Punching Travel	25mm & 30mm
Pneumatic Cylinder Make	SPAC
Pneumatic Cylinder Size	200Kg/cm <sup>2</sup> * 25mm Working
Overall Size – 1D Model	H1500mm * W300mm * L350mm
Overall Size – 2D Model	H1500mm * W400mm * L350mm
Overall Size – 4D Model	H1500mm * W650mm * L350mm



# Aluminium End Milling Machine

Used for milling the mullion profile to connect the mullion profile & frame profile. Can mill many profile in one time with high productivity. Milling cutter can be adjusted up/down & left/right to meet different types of profile. Large diameter of end milling cutter, high speed milling gives good quality milling profile surface.

- Model : Automatic & Manual
- END Mill Cutter : As per requirement
- Air Pressure : 5-7 Kgf/cm<sup>2</sup>
- Motor Power : 2HP 3 Phase 2800 RPM
- Horizontal & Vertical Pneumatic clamp arrangement
- Pneumatic Cylinder for Automatic Cutting Operation
- 12mm HE30 Grade Aluminium Base Plate & Aluminium Casting Structure
- Italian lubricant technology Pneumatic Spray Valve for bur free cutting
- High grade MS Powder Coated structure.
- Hard Chrome Rod guide movement.
- Electro Pneumatic Panel

## Technical Parameters

Power Supply	2.20-KW – 3.0HP, V415/220
Motor RPM	2800r/min
Working Air Pressure	5 to 7 Kgf/cm <sup>2</sup>
Pneumatic Cylinder Make	SPAC
Diameter of Main Shaft	32mm
Diameter of Milling Cutter	Max - 180mm
Workable Travelling	310mm
Overall Size – Automatic	H1500mm * W1150mm * L600mm
Overall Size – Manual	H1500mm * W700mm * L600mm



# Single Head Automatic Cutting Machine

**This machine used for cutting the aluminium door & window profile, curtain wall & corner connector.**

- Model: MMSH 350
- Automatic Cutting height adjustment
- Pneumatic & Hydro Pneumatic Cylinder for cutting operation
- Electro Pneumatic Control Panel with Relay Logic Control Card
- Pneumatic Clamp De-Clamp Operation
- Italian lubricant technology Pneumatic Spray Valve for bur free cutting
- Compete high grade CI Casting structure with the head and rotatory base
- Back face support with pneumatic clamping cylinder gives optimum grip and best burr free cutting on profiles.
- Carbide Italian saw blade supplied with a machine to ensure quality cutting.
- Wide range of optional accessories available with the machine like roller track with tape fitted, DRO Monitor with 0000.000 digit display & Magnate scale length gauge.

## Technical Parameters

Power Supply	2.20-KW – 3.0HP, V415/220
Motor RPM	2800r/min
Working Air Pressure	5 to 7 Kgf/cm2
Pneumatic Cylinder Make	SPAC
Saw Blade Size	350mm
Cutting Angle	45` 90` 45` (ANY)
Cutting Width	100mm
Cutting Height	75mm to 100mm
Overall Size – Automatic	H1700mm * W950mm * L700mm
Saw Blade Make	Freud (Made in Italy)
Control Panel	Relay Logic Card
Cutting Coolant	Italian lubricant technology Pneumatic Spray Valve for bur free cutting
Main Body	Heavy Duty CI Body





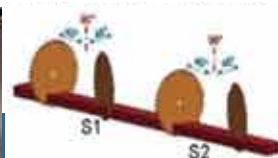
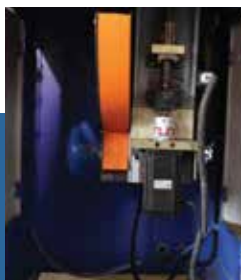
# Collaboration with Eva Fabrication Software (Cloud Base)

**This machine used for cutting the aluminium door & window profile, curtain wall & corner connector, Aluminium heat sink, Aluminium formwork profile & Industrial profile.**

- Model: MMUPST 450,500,550 & 600
- Automatic Cutting height adjustment
- Servo Stepper Motor with Ball Screw Cutting Operation (First time in the industry)
- CNC Control Panel with 5" & 7" HMI Display, Siemens Controller
- Pneumatic Clamp De-Clamp Operation
- Italian lubricant technology Pneumatic Spray Valve for bur free cutting
- Compete high grade CI Casting structure with the head and rotatory base
- Machine equipped of Siemens electrical kit for best quality performance
- Back face support with pneumatic clamping cylinder gives optimum grip and best burr free cutting on profiles.
- Carbide Italian saw blade supplied with a machine to ensure quality cutting.
- Wide range of optional accessories available with the machine like roller track with tape fitted, DRO Monitor with 0000.000 digit display & Magnate scale length gauge & Servo stepper motor with rack & pinion arrangement for automatic length measurement

## Technical Parameters

Power Supply	2.20-KW – 3.0HP, V415/220
Motor RPM	2800r/min
Working Air Pressure	5 to 7 Kgf/cm2
Pneumatic Cylinder Make	SPAC
Saw Blade Size	450mm / 500mm / 550mm / 600mm
Cutting Angle	45` 90` 45` (ANY) – Automatic with Ser
Cutting Width	225mm to 450mm
Cutting Height	125mm to 250mm
Overall Size – Automatic	H1700mm * W1100mm * L700mm
Saw Blade Make	Freud (Made in Italy)
Control Panel	CNC PLC Control & HMI Display
Cutting Coolant	Italian lubricant technology Pneumatic Spray Valve for bur free cutting
Main Body	Heavy Duty CI Body



# Solar Panel Punching Machine

**This machine used for various punching process in the manufacturing of aluminium**

**Solar Panel frame Punch different kind of profile by changing the punching die.**

- 3 Different Model - Single Die(5D), Double Die(7D), Four Die(9D)
- Pneumatic Punching Operation (Air Pressure Requite up to 5 to 7 Kgf/cm2)
- Heavy Duty Special Design Pneumatic Cylinder (200\*25mm) SPAC Make
- Heavy Duty MS Bottom Base Plate & Top Plate
- Heavy MS Powder Coated Body
- With Punch Footpad Pneumatic foot valve control
- Very Easy to change the die with Male-Female die assembly
- 5 Pneumatic Cylinder & 1 Footpad Pneumatic foot valve control in 5D model for fast production
- 7 Pneumatic Cylinder & 1 Footpad Pneumatic foot valve control in 7D model for fast production
- 9 Pneumatic Cylinder & 1 Footpad Pneumatic foot valve control in 9D model for fast production
- In 2D & 4D Model you can use all dies together for fast production

## Technical Parameters

Working Air Pressure	5 to 7 Kgf/cm2
Punching Travel	25mm & 30mm
Pneumatic Cylinder Make	SPAC
Pneumatic Cylinder Size	200Kgf/cm2 * 25mm Working







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