

# ZENITH ENGINEERING CORPORATION



Zenith Engineering

Aluminium and UPVC Fabrication Machineries  
(German Quality Standard)



**Zenith Engineering corporation** is first Indian MNC company which involved developing and promoting more than 55 Machinerics in our three factories in Vadodara, Gujarat, India.

We are engaged in manufacturing and exporting a quality assured assortments of Cutting Machine, Punching Machine, Welding Machine, Cleaning Machine, Milling Machine, Routing Machine and all Aluminum and UPVC window making machine.

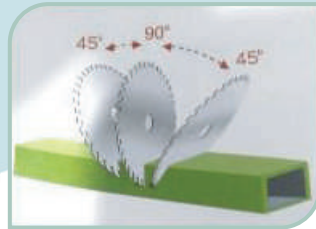


[www.zenithengcorp.com](http://www.zenithengcorp.com)



# ZDCF-550/600

## DOUBLE HEAD AUTOMATIC FRONTAL SAW



Cutting Pattern



PLC System



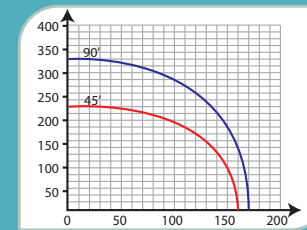
### SPECIFICATIONS

Motor Power	2.2KV*2
Max. Cutter Dia	550mm
Machine Dimension	4800*1450*1550mm
Air Pressure	5-7 BAR
Gross Weight	1685 kg

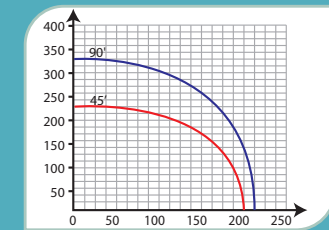
\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith double head frontal cutting machine is used for aluminium and UPVC profile cutting purposes.
- Machine equipped with Schneider PLC, HMI, Servo motor for best quality output.
- Machine equipped with Siemens electrical kit and SMPS for best performances.
- Machine supplied with Japanese ball screw system to insure best accuracy Feeding and movement.
- Machine equipped with imported Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Italian Blade gives accurate processing and high endurance.
- Both head can work individually and can also work at the same time.
- Label printer and Pen Drive system can be arranged along with machine. (OPTIONAL)
- Extra heavy duty which makes it highly suitable for aluminium section cutting.
- Complete 1 year warranty with all Pneumatic and electrical parts.



Cutting Chart - 550



Cutting Chart - 600

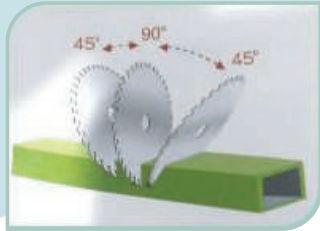
Motor Power	2.2KV*2
Max. Cutter Dia	600mm
Machine Dimension	4800*1600*1550mm
Air Pressure	5-7 BAR
Gross Weight	1785 kg



Aluminium and UPVC Fabrication Machineries  
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# ZDF-450

## ZENITH DOUBLE HEAD FRONTAL SAW



Cutting Pattern



Digital Display Unit



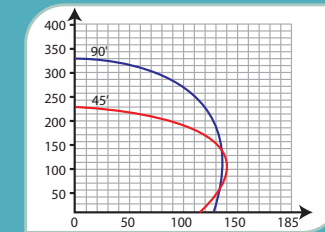
### SPECIFICATIONS

Motor Power	2.2KV*2
Max. Cutter Dia	450mm
Machine Dimension	4800*1200*1450mm
Air Pressure	5-7 BAR
Gross Weight	1400 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith double head frontal cutting machine is used for aluminium and UPVC profile cutting purposes.
- Machine equipped with Siemens electrical kit for best performances.
- Machine equipped with Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Italian Blade gives accurate processing and high endurance.
- Both head can work individually and can also work at the same time.
- Digital display can be arranged along with machine.
- Extra heavy duty which makes it highly suitable for aluminium section cutting.
- Complete 1 year warranty with all Pneumatic and electrical parts.



Cutting Chart - 450

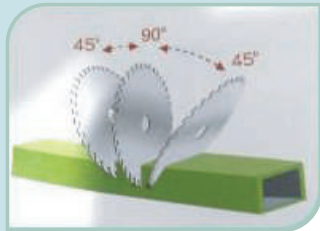


Aluminium and UPVC Fabrication Machineries  
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# ZDF-550/600

## ZENITH DOUBLE HEAD FRONTAL SAW



Cutting Pattern



Digital Display Unit



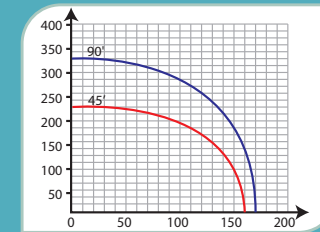
### SPECIFICATIONS

Motor Power	2.2KV*2
Max. Cutter Dia	550mm
Machine Dimension	4800*1200*1450mm
Air Pressure	5-7 BAR
Gross Weight	1500 kg

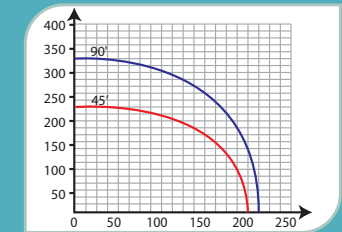
\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith double head frontal cutting machine is used for aluminium and UPVC profile cutting purposes.
- Machine equipped with Siemens electrical kit for best performances.
- Machine equipped with Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Italian Blade gives accurate processing and high endurance.
- Both head can work individually and can also work at the same time.
- Digital display can be arranged along with machine.
- Extra heavy duty which makes it highly suitable for aluminium section cutting.
- Complete 1 year warranty with all Pneumatic and electrical parts.



Cutting Chart - 550



Cutting Chart - 600

### SPECIFICATIONS

Motor Power	2.2KV*2
Max. Cutter Dia	600mm
Machine Dimension	4800*1500*1550mm
Air Pressure	5-7 BAR
Gross Weight	1650 kg

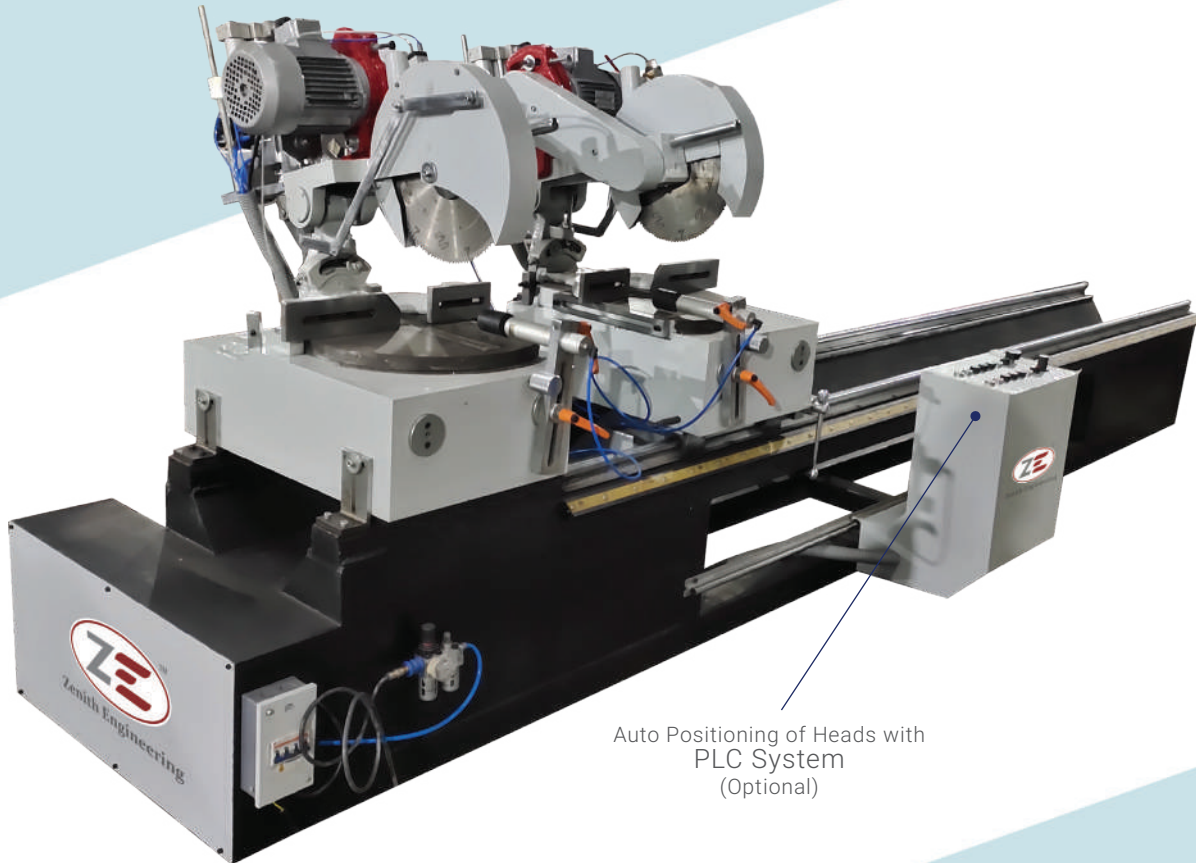


Aluminium and UPVC Fabrication Machineries  
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# ZDVH-14

## ZENITH DOUBLE HEAD CUTTING MACHINE

HEAVY DUTY MACHINE FOR ALUMINUM AND UPVC PROFILES



Auto Positioning of Heads with  
PLC System  
(Optional)

### SPECIFICATIONS

Motor Power	1.5 KW- 2 nos.
Max. Cutter Dia	350mm
Machine Dimension	5650*1100*1450mm
Air Pressure	5-7 BAR
Gross Weight	1125 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete high grade cost iron structure with the head and rotatory base.
- Machine equipped of Siemens electrical kit for best quality performance.
- Machine equipped with Italian cylinder and lubricant technology.
- Comply with branded TATA/SKF bearing with machine.
- Machine tilting position in degree gives highest cut upto 6 inch in degree and 10 inch in 90 degree in just 350mm saw blade.
- Back fence support with pneumatic clamping cylinder gives optimum grip and best but free cutting to profiles.
- Linear motion on tap fitted roller back.
- Heavy duty machine with 1 year complete warranty accept cutting.
- Carbide Italian saw blade supplied with machine to ensure quality cutting.
- Both cutters can be used simultaneously as well as individually in cutting operations.
- Machine supply with two cutter and tool kit.
- Single cut, Minimum cut, step-by-step cut possibility with PLC system\*(ZDVH-14A)



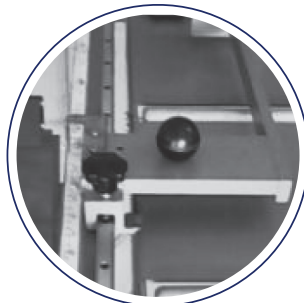
Aluminium and UPVC Fabrication Machineries  
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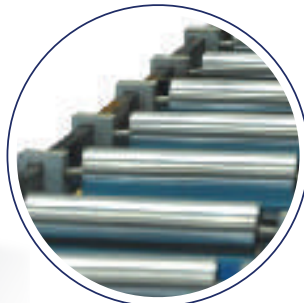
# ZVH-14 A/M

## ZENITH SINGLE HEAD AUTOMATIC CUTTING MACHINE

MAX CUTTING IN JUST 350MM SAW BLADE WITH TILT AND SWIVEL POSITION



Linear Guide Motion



Material Support Roller Track

### MACHINE FEATURES

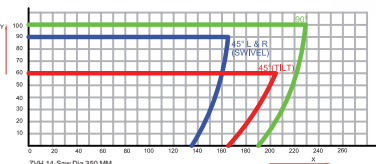
- Complete high grade cost iron structure with the head and rotatory base.
- Machine equipped of Siemens electrical kit for best quality performance.
- Machine equipped with Italian cylinder and lubricant technology.
- Comply with branded TATA/SKF bearing with machine.
- Machine tilting position in degree gives highest cut upto 6 inch in degree and 10 inch in 90 degree in just 350mm saw blade.
- Back fence support with pneumatic clamping cylinder gives optimum grip and best but free cutting to profiles.
- Linear motion on tap fitted roller back.
- Heavy duty machine with 1 year complete warranty accept cutting.
- Carbide Italian saw blade supplied with machine to ensure quality cutting.
- Machine supply with cutter and tool kit.
- Wide range of optional accessories available for the machine like roller track with tape fitted or DRO length gauge.

#### Cutter Movement

- 45 degree TILT
- 45 degree right/left
- 90 degree

#### Capacity

more than 6.5 inches useful for track cutting  
more than 4 inches useful for shutter, I.C. and other  
more than 8 inches



Cutting Capacity Diagram

### SPECIFICATIONS

Motor Power	1.7 to 2.2 KW
Max. Cutter Dia	350mm
Machine Dimension	850*850*1200 mm
Air Pressure	5-7 BAR
Gross Weight	345 kg

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Aluminium and UPVC Fabrication Machineries  
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# ZUS-16

## ZENITH SINGLE HEAD UPSTROCKING MACHINE

HEAVY DUTY UPSTROCKING MACHINE FOR ALUMINUM AND UPVC PROFILES



Vertical and Horizontal Clamping for better Grip

### SPECIFICATIONS

Motor Power	2.2 to 3.5KW
Max. Cutter Dia	420mm
Machine Dimension	700*700*1400mm
Air Pressure	5-7 BAR
Gross Weight	375 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete high grade cast iron structure with the head and rotatory base.
- Machine equipped of Siemens electrical kit for best quality performance.
- Machine equipped with Italian cylinder and lubricant technology.
- Comply with branded TATA/SKF bearing with machine.
- This is ideal machine to cut uneven and odd shaped profile due to 4 clamp position setting.
- Machine is equipped with the two horizontal and two vertical clamps for optimum grip.
- Back fance can be moved front and back side from the saw center that enable us to cut wider section.
- Linear motion on tap fitted roller track that gives accurate and fast setting on profile to cut.
- Heavy duty machine with 1 year warranty accept cutter.
- 420mm Carbide Italian saw blade supplied with machine to ensure quality cutting.
- Machine supply with cutter and tool kit.
- Wide range of optional accessories available for the machine like roller track with tape fitted or DRO length gauge.



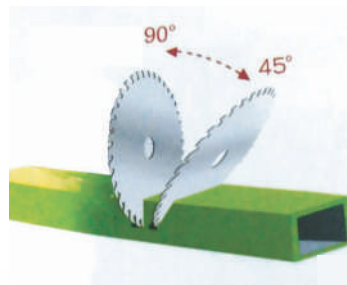
**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUT-500/550

## ZENITH SINGLE HEAD TILTCUT MACHINE

HEAVY DUTY UPCUT TILT MACHINE FOR ALUMINUM AND UPVC PROFILES



Cutting Pattern

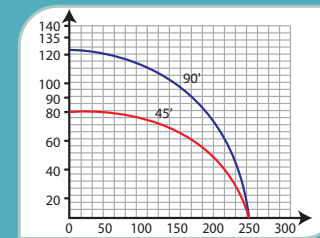
### SPECIFICATIONS - 500mm

Motor Power	2.2 KV * 1
Max. Cutter Dia	500mm
Machine Dimension	1250*1350*1500mm
Air Pressure	5a-7 BAR
Gross Weight	600 kg

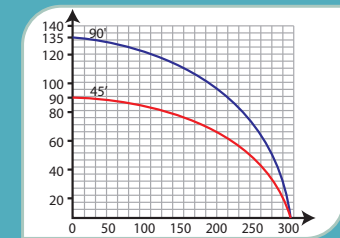
\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete high grade cost from structure.
- Machine equipped with SIEMENS Electrical Kit.
- Machine equipped with Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Machine equipped with horizontal and vertical clamp for cutting of wider profile with accuracy.
- Extra heavy duty machine which highly suitable for cutting heavy and wider aluminum profile.
- This machine is useful for cutting curtain wall section and wider window profile cutting application.



Cutting Chart - 550



Cutting Chart - 550

### SPECIFICATIONS - 550mm

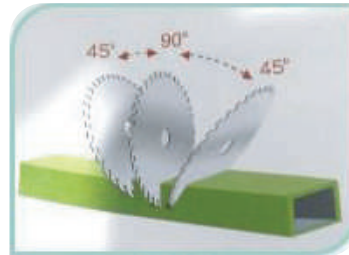
Motor Power	2.2 KV * 1
Max. Cutter Dia	550mm
Machine Dimension	1250*1400*1550mm
Air Pressure	5-7 BAR
Gross Weight	675 kg



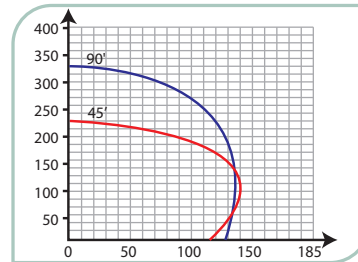
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# ZSF-450/500/550/600

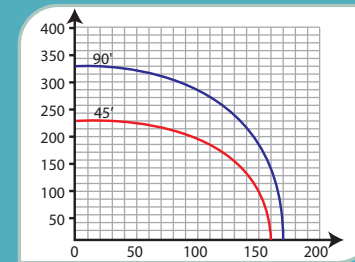
## ZENITH SINGLE HEAD FRONTAL SAW



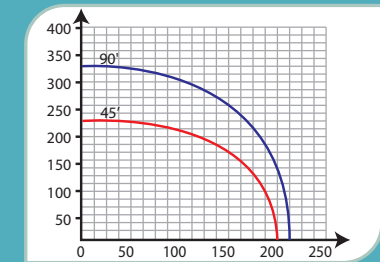
Cutting Pattern



Cutting Chart - 450



Cutting Chart - 550



Cutting Chart - 600

## MACHINE FEATURES

- Zenith single head frontal cutting machine is used for aluminium and UPVC profile cutting purposes.
- Machine equipped with Siemens electrical kit for best performances.
- Machine equipped with Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Italian Blade gives accurate processing and high endurance.
- ZSF-550 can be used for heavy aluminium profile cutting application.
- Digital display can be arranged along with machine. (OPTIONAL)
- Extra heavy duty which makes it highly suitable for aluminium section cutting.
- Complete 1 year warranty with all Pneumatic and electrical parts.

## SPECIFICATIONS

Motor Power	2.23KV*1
Max. Cutter Dia	550mm
Machine Dimension	1100*1200*1600mm
Air Pressure	5-7 BAR
Gross Weight	750 kg

\*We reserve the rights to change the color and design of machines time by time.



Aluminium and UPVC Fabrication Machineries  
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# ZUS-16 AF

## ZENITH SINGLE HEAD UP STROCKING MACHINE WITH AUTOFEEDING SYSTEM. ALUMINUM CLEAT CUT MACHINE



### SPECIFICATIONS

Motor Power	2.2 to 3.5KW
Max. Cutter Dia	420mm
Machine Dimension	700*700*1400mm
Air Pressure	5-7 BAR
Gross Weight	675 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete high grade cost iron structure with the head and rotatory base.
- Machine equipped of Siemens electrical kit for best quality performance.
- Machine equipped with Italian cylinder and lubricant technology.
- Comply with branded TATA/SKF bearing with machine.
- This is ideal machine to cut uneven and odd shaped profile due to 4 clamp position setting.
- Machine is equipped with the two horizontal and two vertical clamps for optimum grip.
- Back fance can be moved front and back side from the saw center that enable us to cut wider section.
- Linear motion on tap fitted roller track that gives accurate and fast setting on profile to cut.
- Heavy duty machine with 1 year warranty accept cutter.
- 420mm Carbide Italian saw blade supplied with machine to ensure quality cutting.
- Machine supply with cutter and tool kit.
- Wide range of optional accessories available for the machine like roller track with tape fitted or DRO length gauge.
- Machine provides with SCHINDER PLC, HMI & SERVO motor with the Japanese ball screw movement.
- Feeding length and the number of cuts be easily fitted with a touch screen.
- Feeding accuracy is upto  $\pm 50$  microns.
- Extra heavy clamp arrangements horizontal and vertical for feeding device for optimum greeting while feeding.



**Aluminium and UPVC Fabrication Machineries**  
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# ZUT-500AF

## ZENITH UPTILTING CUTTING MACHINE WITH AUTOFEEDING SYSTEM



### SPECIFICATIONS

Motor Power	2.2 KV * 1
Max. Cutter Dia	500mm
Machine Dimension	1250*1350*1500mm
Air Pressure	5-7 BAR
Gross Weight	800kg

\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete high grade cost from structure.
- Machine equipped with SIEMENS Electrical Kit.
- Machine equipped with Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Machine equipped with horizontal and vertical clamp for cutting of wider profile with accuracy.
- Extra heavy duty machine which highly suitable for cutting heavy and wider aluminum profile.
- This machine is useful for cutting curtain wall section and wider window profile cutting application.
- Machine provides with SCHINDER PLC, HMI & SERVO motor with the Japanese ball screw movement.
- Feeding length and the number of cuts be easily fitted with a touch screen.
- Feeding accuracy is upto  $\pm 50$  microns.
- Extra heavy clamp arrangements horizontal and vertical for feeding device for optimum gripping while feeding.



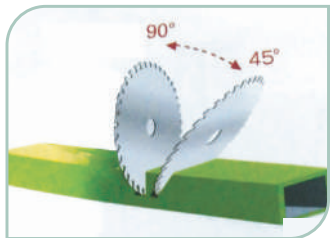
**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZDCUT-500/550

## ZENITH DOUBLE HEAD AUTOMATIC UPCUT MACHINE

HEAVY DUTY UPCUT MACHINE FOR ALUMINIUM PROFILES



Cutting Pattern

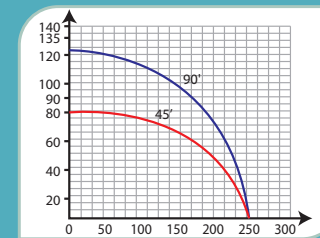
### SPECIFICATIONS

Motor Power	2.2 KV * 2
Max. Cutter Dia	500mm/550mm
Machine Dimension	4950*1550*1100mm
Air Pressure	5-7 BAR
Gross Weight	1600kg

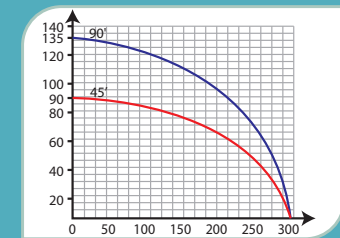
\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Double Head Up cut Machine is used for aluminium and UPVC Profile Cutting Purposes.
- Machine Equipped with Schneider PLC,HMI,Servo Motor for best Quality Output.
- Machine equipped With Siemens Electrical Kit for best Performance.
- Machine equipped With Italian Cylinder and Lubricant Technology.
- Machine equipped with SKF Bearing (Germany) and motor has SKF Bearing too.
- Italian Blade gives accurate processing and high endurance.
- Both head can work individually and also work at the same time.
- Digital display can be arranged along with machine.
- Extra heavy duty Machine which highly suitable for cutting heavy and wider aluminium profile.
- Complete 1 Year warranty with all pneumatic and electrical Parts.



Cutting Chart - 550



Cutting Chart - 500

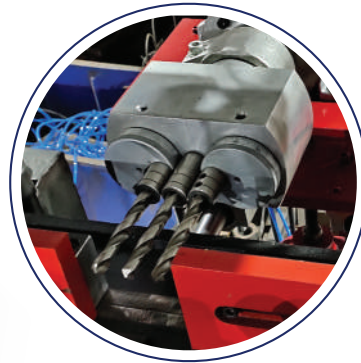
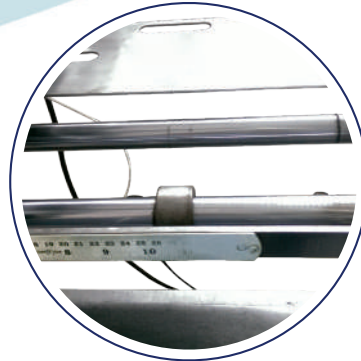


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# ZR-10/ZR-10TD

## ZENITH COPY ROUTER MACHINE

HEAVY DUTY COPY ROUTER FOR ALUMINUM AND UPVC PROFILES



Triple Drill  
(optional)

### SPECIFICATIONS

Motor Power	0.75KW
Working Dimension	X-300 / Y-150 / Z-150mm
Machine Dimension	750*750*1050mm
Air Pressure	5-7 BAR
Gross Weight	250Kg

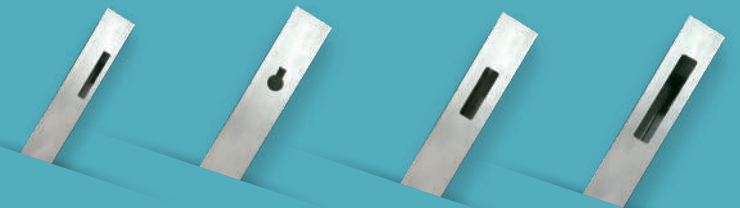
\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Italian lubrication system.
- Automatic clamping devices.
- Complete high grade cost iron structure.
- Machine equipped with Italian electrical kit for the best quality performance.
- Machine equipped with Italian lubrication technology.
- Complied with branded TATA/SKF bearing with machine.
- Back fence support with pneumatic clamping cylinder gives optimum grip and best bur free cutting to profiles.
- Linear motion on tap fitted roller track.
- Heavy duty machine with 1 year complete warranty accept routerbit.
- Machine supply with 8 mm collect and router bit, template and tool kit.

### ROUTING BY TWIN SETTING OPTION

- By template/ aluminum plate slot setting.
- By manual adjustment from X & Y axis bolt measurement with the help of metal tap.



Different Slots on Profiles

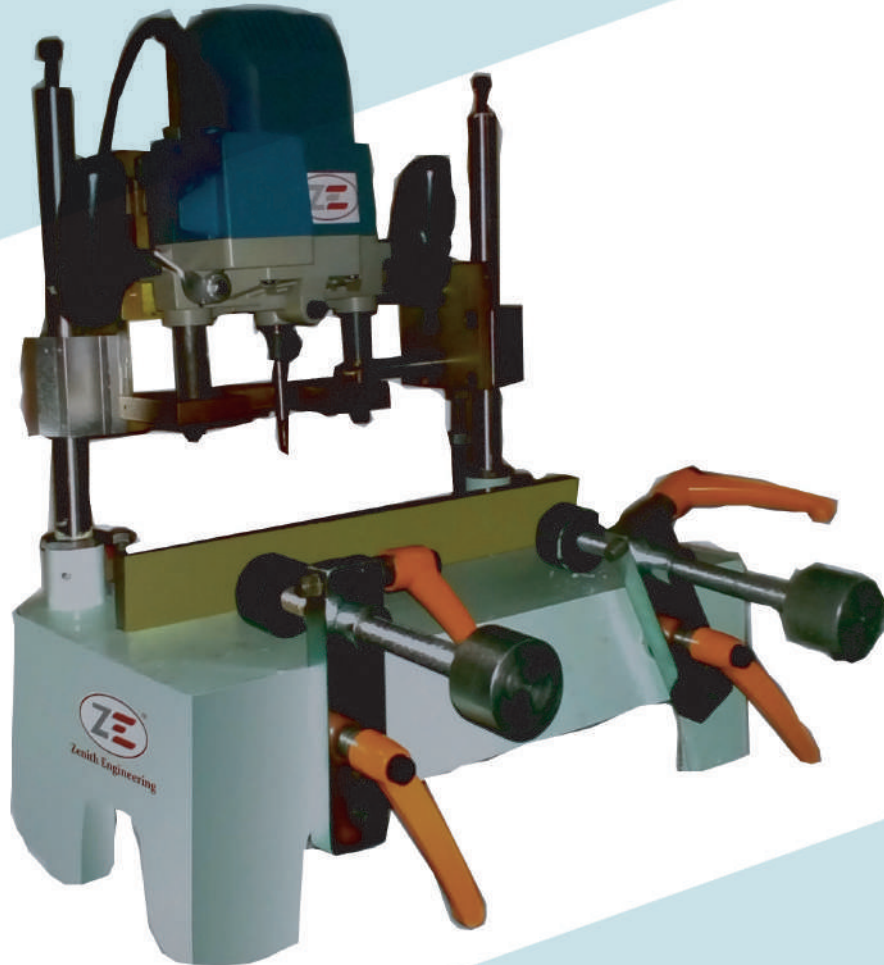


Aluminium and UPVC Fabrication Machineries  
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# ZR-MINI

## ZENITH MINI COPY ROUTER MACHINE



### SPECIFICATIONS

Working Dimensions	250*150*150mm
Weight	40 Kg (approx.)
Motor Power	25000RPM of Motor

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Complete heavy grade aluminium cutting body structure.
- German router bit along with machine.
- Fully metallic structure insures zero maintenance for lifetime.
- Heavy router motor insures best performance all time.
- Zenith ZR-MINI gives highest height and width in routing from all other in same category.
- Useful for aluminium and UPVC both.

### ROUTING BY TWIN SETTING OPTION

- By template/ aluminum plate slot setting.
- By manual adjustment from X & Y axis bolt measurement with the help of metal tap.



Application



**Aluminium and UPVC Fabrication Machineries**  
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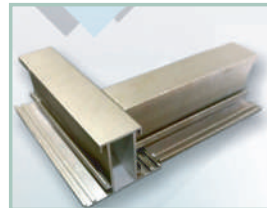
# ZM-14

## ZENITH END MILLING MACHINE

HEAVY DUTY END MILLING MACHINE FOR ALUMINUM AND UPVC PROFILES



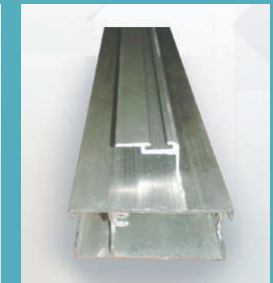
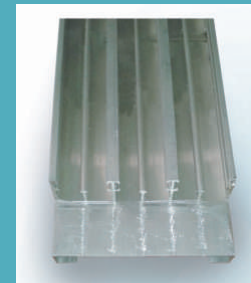
Horizontal and Vertical Clamping



## MACHINE FEATURES

- Complete high grade cost iron structure.
- Machine equipped of Siemens electrical kit for best quality performance.
- Machine equipped with Italian lubricant technology.
- Comply with branded TATA/SKF bearing with machine.
- Unique feature of this machine is, cutter can be change in seconds for different Aluminum profile machining operation.
- Linear motion guide movement for cutter head assembly.
- Machine supplied with italian coolant system to ensure best milling at profiles.
- Heavy duty machine with 1 year complete warranty.
- Horizontal, and vertical both side clamping.
- Italian lubrication system.

End Milling Machine Application



## SPECIFICATIONS

Motor Power	1.5 kw
Max. Cutter Dia	150mm
Machine Dimension	850*800*900mm
Air Pressure	5-7 BAR
Gross Weight	225kg

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# ZPM-30 & 60

## ZENITH PNEUMATIC PUNCHING MACHINE

SLICK AND HEAVY DUTY PUNCHING MACHINE FOR ALUMINUM.



### SPECIFICATIONS

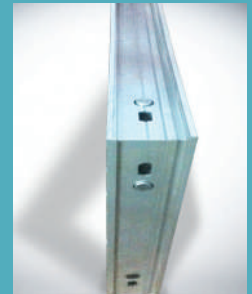
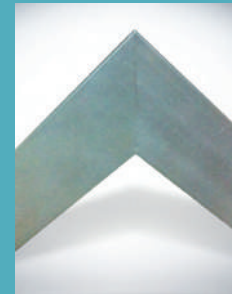
	Machine Dimension	Air Pressure	Gross Weight
ZPM-30	250*250*750mm	5-7 BAR	70KG
ZPM-60	450*250*750mm	5-7 BAR	90KG

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Branded Punching Parts consist with machine with 1 year warranty.
- Any customization with die is possible.
- Very heavy duty machine with special plate mounting arrangement.
- Upto 1 to 2.5mm punching thickness is possible for any aluminum profile system.
- Compact, sleek and rigid ms structure ensuring long term error free running of machine.
- ZPM 30 can insert one die, ZPM 60 can insert two dies, ZPM 90 can insert eight dies
- Any customized or regular mould is possible.
- Easy to move on site and factory operation.
- Compact machine design for on site and factory operations.

Punch for Croner Clit Fitting



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# ZPM-90

## ZENITH PNEUMATIC PUNCHING MACHINE

SLICK AND HEAVY DUTY PUNCHING MACHINE FOR ALUMINUM.



- Machine is Capable of eight die mounting with the machine
- Very heavy duty model speciality designed with rotation of complete top structure that ensures rigidity and perfection for life time.
- Punching is possible in all aluminium series, 22mm, 27mm, 29mm, 35mm, 40mm, 50mm etc. or any other aluminium section series.



Interlock Punch

### SPECIFICATIONS

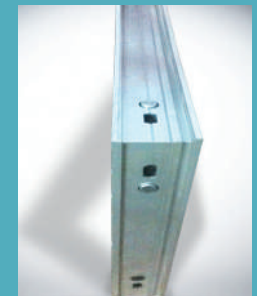
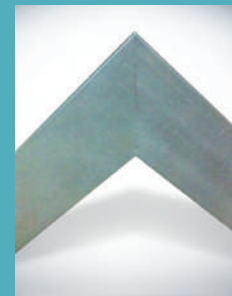
	Machine Dimension	Air Pressure	Gross Weight
ZPM-90	350*350*900mm	5-7 BAR	170KG

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Branded Punching Parts consist with machine with 1 year warranty.
- Any customization with die is possible.
- Very heavy duty machine with special plate mounting arrangement.
- Upto 1 to 2.5mm punching thickness is possible for any aluminium profile system.
- Compact, sleek and rigid ms structure ensuring long term error free running of machine.
- ZPM 30 can insert one die, ZPM 60 can insert two dies, ZPM 90 can insert eight dies.
- Any customized or regular mould is possible.
- Easy to move on site and factory operation.
- Compact machine design for on site and factory operations.

Punch for Croner Clit Fitting

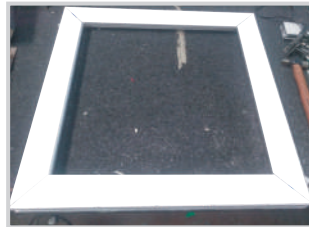


Aluminium and UPVC Fabrication Machineries  
(German Quality Standard)



# ZUP-ALPHA

## ZENITH SINGLE HEAD WELDING MACHINE



### MACHINE FEATURES

- Zenith single head welding Machine is used for welding upvc profile
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only
- Machine equipped with Schneider switching with Japanese smps.
- Machine is capable to weld at 90° and v weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.

This machine is used for PVC door and window welding processing with variable angle ranging from 30-180°, it features programming control , pneumatic driving , reliable function, simple operation and convenient maintenance. The machine is made up of machine head. Machine frame, electric controlling tank and material support etcetera are fixing machine, pressure and heating machine etc.

### SPECIFICATIONS

Working Pressure	0.5-0.8Mpa
Air Consumption	50L/min
Welding Height	20-140mm
Welding Profile Width	≤120mm
Dimension weld Profile	330mm
Outside Dimension	960*900*1460mm
Weight (about)	330kg

\*We reserve the rights to change the color and design of machines time by time.



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(German Quality Standard)

# ZUP-BETA

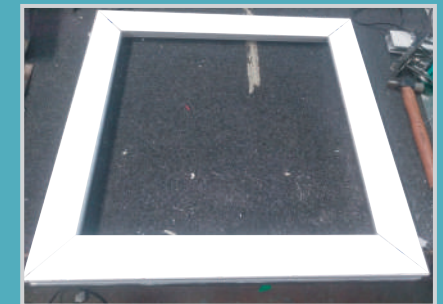
## ZENITH TWO HEAD WELDING MACHINE



### MACHINE FEATURES

- Zenith double head welding Machine is used for welding UPVC profile
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine equipped with Schneider switching with Japanese smps.
- Machine is capable to weld at 90° and v weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.

This machine is used for welding and the combination, with programming control and pneumatic driving systems, it has the features of high reliability, large processing range and easy operation, the two heads can work individually, simultaneously and combinative.



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	100L/min
Welding Length	400-3700mm
Welding Profile Width	≤140mm
Welding Profile Height	20~140mm
Outside Dimension	4300*1000*1700mm
Weight (about)	950kg

\*We reserve the rights to change the color and design of machines time by time.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUP-GAMA

## ZENITH THREE HEAD WELDING MACHINE



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	200L/min
Welding Length	400-3900mm
Welding Profile Height	20~140mm
Outside Dimension	4800*1000*1700mm
Weight (about)	1200kg

\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Three Head Welding Machine is used for welding UPVC profile
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine equipped with Schneider switching with Japanese smps.
- Machine is capable to weld at 90° and v weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# ZUP-DELTA

## ZENITH FOUR HEAD WELDING MACHINE



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	200L/min
Welding Length	400-3900mm
Welding Profile Height	20~140mm
Outside Dimension	5500*1000*1700mm
Weight (about)	1450kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Four Head Welding Machine is used for welding UPVC profile
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine equipped with Schneider switching with Japanese smps.
- Machine is capable to weld at 90° and v weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.

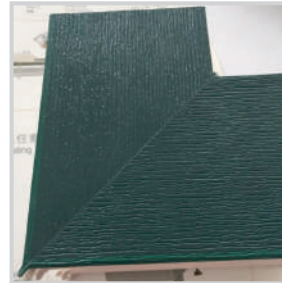
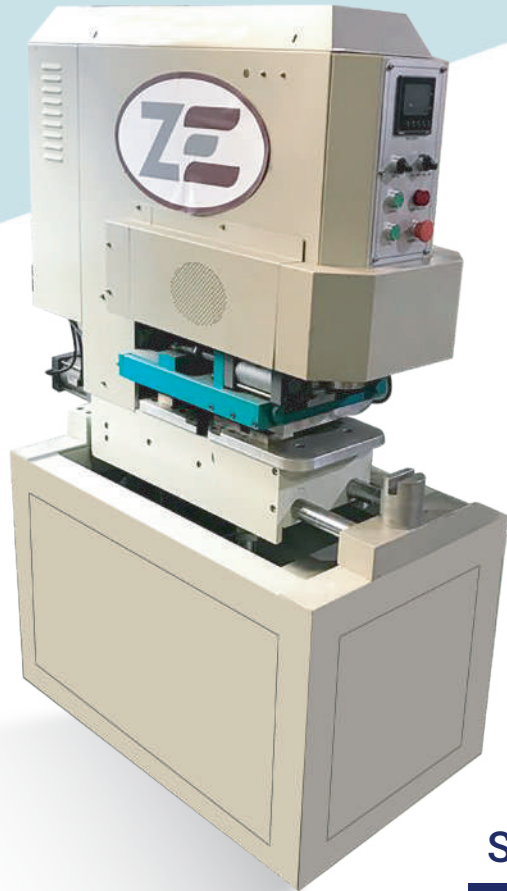


**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUP-ALPHA-SM

## ZENITH SINGLE HEAD SEAMLESS WELDING MACHINE



### SPECIFICATIONS

Working Pressure	0.5-0.8Mpa
Air Consumption	50L/min
Welding Height	20-140mm
Welding Profile Width	≤120mm
Dimension weld Profile	330mm
Outside Dimension	1000*1100*1460mm
Weight (about)	380kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- ZUP-ALPHA-SM used for welding specially colour profile.
- Machine equipped with Japanese PLC to insure best quality output.
- Digital display insures proper setting of set and achieve temperature.
- Machine equipped with Schneider.
- Both 90° / v weld option available.
- Zenith machine is having extra capacity to weld bigger heighted profile.

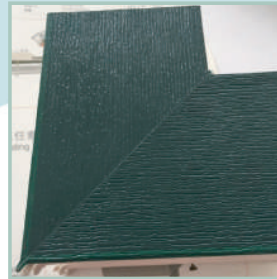
This machine is used for PVC door and window welding processing with variable angle ranging from 30-180°, it features programming control, pneumatic driving, reliable function, simple operation and convenient maintenance. The machine is made up of machine head. Machine frame, electric controlling tank and material support etcetera are fixing machine, pressure and heating machine etc.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# ZUP-BETA-SM

## ZENITH TWO HEAD SEAMLESS WELDING MACHINE



### MACHINE FEATURES

- Zenith Two Head Seamless Welding Machine is used to weld colour UPVC profiles.
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine supplied with Japanese touch screen HMI.
- Machine equipped with Schneider switching with Japanese SMPS.
- Machine is capable to weld at 90° and V weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.

This machine is used for welding and the combination, with programming control and pneumatic driving systems, it has the features of high reliability, large processing range and easy operation, the two heads can work individually, simultaneously and combinative.

### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	200L/min
Welding Length	400-3700mm
Welding Profile Height	20~140mm
Outside Dimension	4300*1150*1850mm
Weight	1200 kg

\* We reserve the rights to change the color and design of machines time by time.

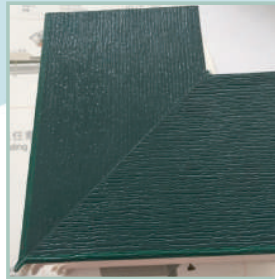


**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUP-GAMA-SM

## ZENITH THREE HEAD SEAMLESS WELDING MACHINE



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	200L/min
Welding Length	400-3900mm
Welding Profile Height	20~140mm
Outside Dimension	4800*1150*1850mm
Weight	1500 kg

\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Three Head Seamless Welding Machine is used to weld colour UPVC profiles.
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine supplied with Japanese touch screen HMI.
- Machine equipped with Schneider switching with Japanese SMPS.
- Machine is capable to weld at 90° and V weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.a

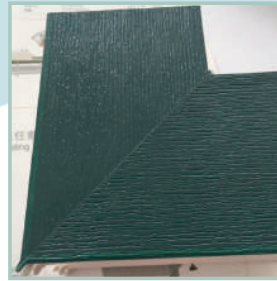
This machine is used for welding and the combination, with programming control and pneumatic driving systems, it has the features of high reliability, large processing range and easy operation, the two heads can work individually, simultaneously and combina-tive.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# ZUP-DELTA-SM

## ZENITH FOUR HEAD SEAMLESS WELDING MACHINE



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	200L/min
Welding Length	400-3900mm
Welding Profile Height	20~140mm
Outside Dimension	5500*1150*1850mm
Weight	1800 kg

\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Four Head Seamless Welding Machine is used to weld colour UPVC profiles.
- Machine equipped with extra sensor to insure work at set temperature only.
- Digital display insure proper setting of set and achieve temperature.
- Machine PLC and panel is Japanese brand only.
- Machine supplied with Japanese touch screen HMI.
- Machine equipped with Schneider switching with Japanese SMPS.
- Machine is capable to weld at 90° and V weld both.
- Zenith machine is having extra capacity in height to weld bigger profile.
- Zenith machine is having special alarm to ensure safety against any breakdown.a

This machine is used for welding and the combination, with programming control and pneumatic driving systems, it has the features of high reliability, large processing range and easy operation, the two heads can work individually, simultaneously and combina-tive.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUP-GL

## ZENITH GLAZING BEAD SAW



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	80L/min
Motor rotational speed	2800 r/min
Processing Range(length)	320~1800mm
Outside Dimension	1350*500*1350mm
Weight (about)	210 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Machine provided with Italian and German brand cylinder for clamping and movement.
- We supply machine with fixture so that bead profile can be placed properly.
- Height adjustment option is available.
- We insure best quality performance while cutting with 4 cutter set.
- Motor bearing is having German brand only.

The machine is used for processing the glazing beads, with the cutting and milling blades, it can finish the 45 degree cutting of two glazing beads in the back, the machine is fixed horizontally so that the clamping of profile is simple and the cutting movement is stable, thus, it ensures the high accuracy of bead processing and beautiful appearance.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# ZUP-Vcut

## ZENITH V-CUTTING SAW



### SPECIFICATIONS

Working Pressure	0.4-0.6Mpa
Air Consumption	100L/min
Cutting Groove Depth	≤65mm
Cutting Location Length	300~1700mm
Outside Dimension	1350*500*1350mm
Weight (about)	210 kg

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Machine provided with Italian and German brand cylinder for clamping and movement.
- We supply machine with high adjustment function.
- We insure best quality performance while cutting due to sturdy structure.
- Machine is heavily casting body structure slide in linear bearing.
- Motor bearing is having German brand only.

The machine is used for processing 90 degree V- Shaped grooves of the aluminum and plastic, with the pneumatic driving system, it has the features of easy operation, safety, reliability, long life and efficiency.

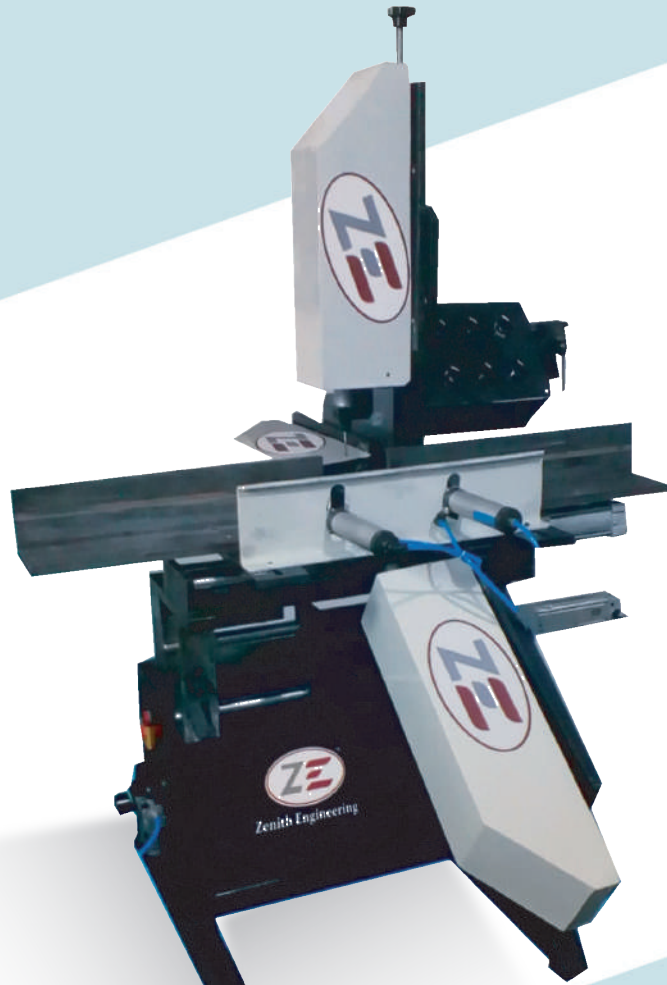


**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZUP-WS-02/03-axis

## ZENITH WATER SLOT MILLING MACHINE



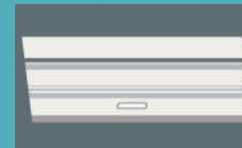
### SPECIFICATIONS

Machine Dimension	600x1100x1300mm
Air Pressure	5-7 BAR
Gross Weight	215 KG

\*We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Heavy grade structure for milling head and movement base.
- Machine equipped with Japanese branded driller for milling application.
- Zenith Water Slot Milling Machine available in two axis and three axis variants.
- Water Slot width can be adjusted mechanically as per requirement.
- Suitable for all type UPVC Profile Water Slotting application.



**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# ZCC - 150A

## ZENITH ALUMINIUM CORNER CRIMPING MACHINE



### MACHINE FEATURES

- Used for combining the corner of aluminum profile at 90 degree.
- Hydraulic system driving ensure a stable working.
- Casting body structure as the zenith other model.
- Distance of tool knife adjustable system.
- Highest in all other in crimping height.
- Adjustable locating device suitable for various section and size processing.
- Italian cylinder and branded Pneumatic system.



### SPECIFICATIONS

Motor Power	1.5KW
Pump Pressure	16Mpa
Oil Pump Pressure	2.5Mpa
Air Pressure	0.5-0.8 Mpa
Air Consumption	2L/Min
Total Combining Pressure	48KN
Contour Dimension	1850*1680*1210mm
Max. Profile Processing Height	120mm

\*We reserve the rights to change the color and design of machines time by time.

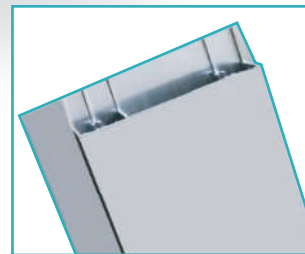


**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)



# ZEC - Notching 500/550

## ZENITH CURTAIN WALL NOTCHING MACHINE



Notching Process

### SPECIFICATIONS

Machine Dimensions	4200Lx2400Wx1800H
Weight	1150 kg approx

\* We reserve the rights to change the color and design of machines time by time.

### MACHINE FEATURES

- Zenith Curtain wall notching machine is designed to mill/ notch heavy curtain wall section
- Machine both cutters can be rotate 0° to 360° to ensure any notching angle .
- Machine equipped with heavy-duty cast iron structure
- Machine equipped with SKF bearings and branded pneumatic system to ensure highest accuracy at all time
- Machine equipped with Hydropneumatic cylinder and Italian clamping system
- Machine equipped with NC control to give optimum accuracy and quality.
- Machine equipped with linear bearing movement on heavy shaft ensuring smooth movement all-time.

Variable Angle Notching

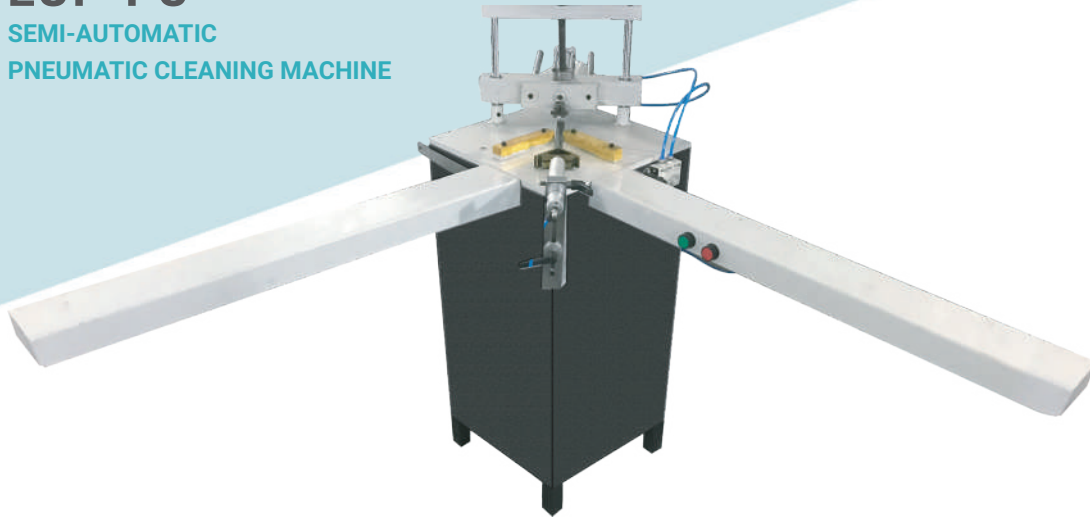


**Aluminium and UPVC Fabrication Machineries**  
(German Quality Standard)

# PNEUMATIC CLEANING MACHINES AND TOOLS

## ZUP-PC

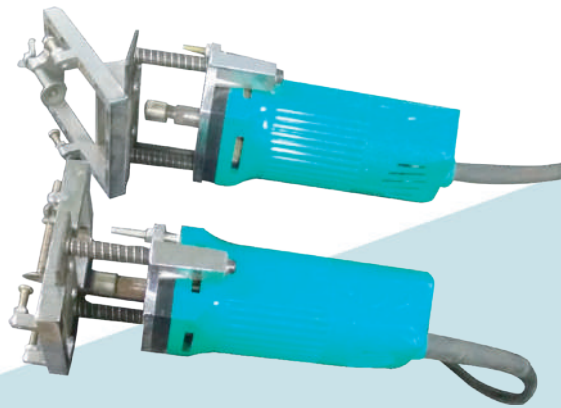
SEMI-AUTOMATIC  
PNEUMATIC CLEANING MACHINE



## CLEANING TOOLS



## WATER SLOT TOOLS



## ZUP-VC V CLEANING MACHINE



Aluminium and UPVC Fabrication Machineries  
(German Quality Standard)



# ZUP-CNCC

## Zenith CNC CLEANING MACHINE 3 AXIS / 5 AXIS



### MACHINE FEATURES

- Zenith CNC cleaning machine is designed to clean all type of UPVC section.
- Machine is having Schneider PLC system to insure best quality output.
- PLC can be designed separately for different 2 profiles or companies section.
- Back side cutter can be customised also according to UPVC profiles.
- Machine equipped with Japanese ball screw system for Y Axis operation.
- Extra heavy duty machine designed for vibration free operation while cleaning on profile.
- PLC is designed in such a way that it can be upgraded later while using other brand profile.

### SPECIFICATIONS

Motor Power	1.5 KV * 1
Machine Dimension	1200*900*1500mm
Air Pressure	5-7 BAR
Gross Weight	950 kg

\*We reserve the rights to change the color and design of machines time by time.



Aluminium and UPVC Fabrication Machineries  
(German Quality Standard)

# ZTC-450

## ZENITH TRAVEL HEAD CUTTING MACHINE



### SPECIFICATIONS

Motor Power	2.2KV
Max. Cutter Dia	450mm
Machine Dimension	1500*700*700mm
Air Pressure	5-7 BAR
Gross Weight	275 kg

# ZUP-22

## SINGLE HEAD UPSTROCKING CUTTING MACHINE WITH 600MM SAW BLADE



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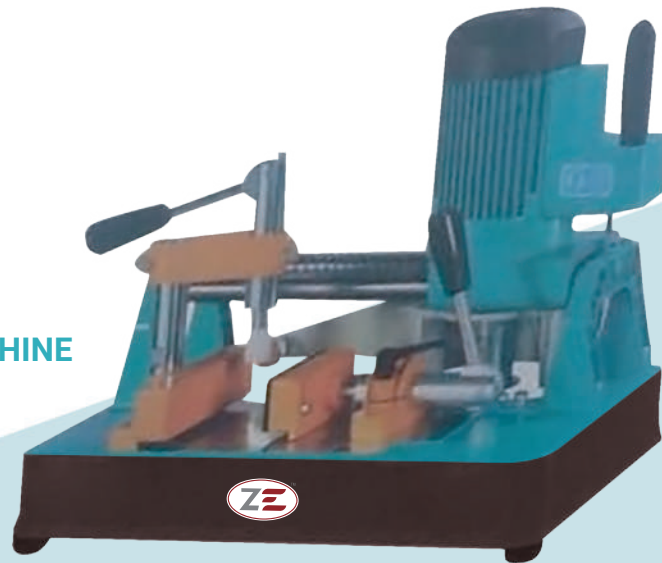


# PORTABLE MACHINERIES



**ZUP-GL EC M**  
MANUAL UPVC GLAZING BEAD SAW

**ZM-EC M**  
POTABLE END MILLING MACHINE

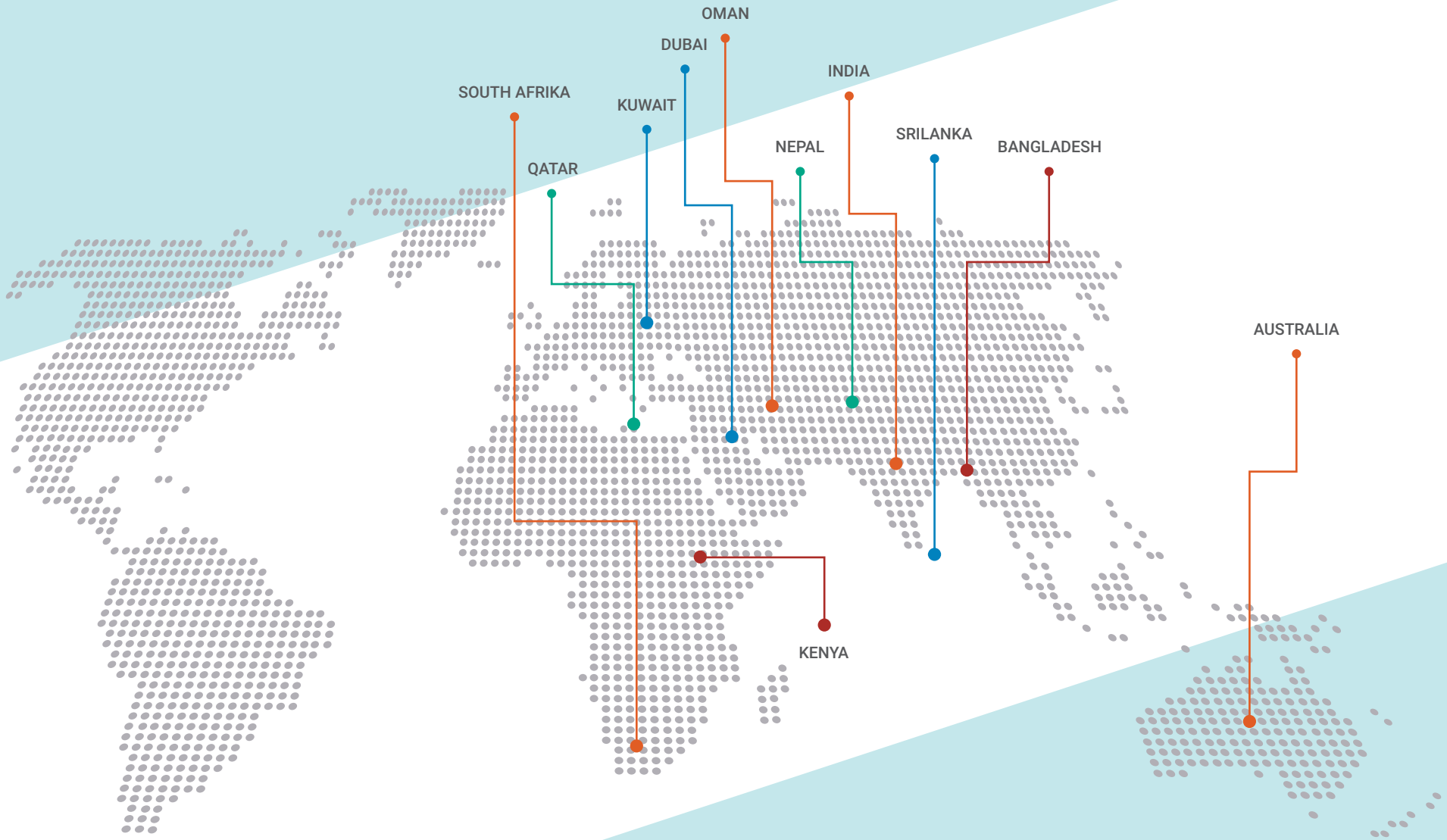


## ZUS-EC M

MANUAL CUTTING MACHINE FOR ALV / UPVC



Aluminium and UPVC Fabrication Machineries  
(German Quality Standard)



**ZENITH ENGINEERING CORPORATION**

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