



AJ ABRASIVES

INDUSTRIAL POLISHING & GRINDING MACHINES

PRODUCT CATALOGUE 2026

Precision Finishing. Productive Performance.

MUMBAI • INDIA





One platform. Multiple configurations.

Choose the machine configuration that matches your working size, finish requirement and production workflow.



SHEET GRINDING

Flat Surface Grinding & Polishing Machine

grinding and polishing of MS, SS, aluminium, brass, and other metal sheets surface finish.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS



PIPE GRINDING

Pipe, Rod & Tube Grinding & Polishing Machine

grinding and polishing of round pipes, rods, & tubes, delivering smooth surface finishing.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS



R ANGLE GRINDING

R Angle Corner Grinding Machine

for precision grinding & polishing of R-angle corners on SS, MS, aluminium, & metal components.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS



MIRROR POLISHING

Mirror Finish Polishing Machine

for achieve premium mirror finish (No. 8) on MS sheets, plates, and decorative metal surfaces with high gloss consistency.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS



C FLANGE

C Flange Forming Machine

for manufacturing C flanges with accurate dimensions, smooth finishing, and consistent production quality.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS



45° & 90° CUTTING

45° & 90° Aluminium Cutting Machine

for aluminium profiles with accurate 45° and 90° angle cutting, ensuring clean edges and high production efficiency.

MODEL • POWER • CAPACITY • SPEED • DIMENSIONS

FLAT SHEETS

150 mm to 1300 mm

PIPE • ROD • TUBE

3–100 mm & 10–220 mm

CONFIGURATIONS

Ordinary & Automatic



Single Station

Flat Surface Grinding & Polishing Machine

150mm series | Technical specifications



TECHNICAL SPECIFICATIONS

BELT DIMENSIONS

150 mm x 915 mm

CONVEYOR MOTOR

370 W

PROCESSING SPEED

10 m/min

MACHINE WIDTH

1-150 mm

SPINDLE SPEED

2800 r/min

NET / GROSS WEIGHT

90 kg / 98 kg

VOLTAGE

3-phase 415 V

MOTOR POWER

3 HP

OVERALL DIMENSIONS (L X W X H)

62 x 58 x 71 cm

PROCESSING THICKNESS

1-80 mm

RUBBER WHEEL DIAMETER

120 mm

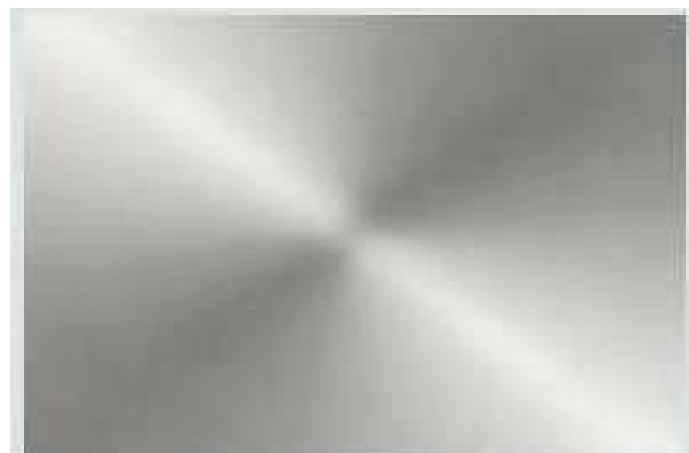
PACKAGING

Non-fumigation wooden box

METAL SHEET FINISH



BEFORE GRINDING



AFTER POLISHING



Double Station

Flat Surface Grinding & Polishing Machine

150mm series | Technical specifications



TECHNICAL SPECIFICATIONS

BELT DIMENSIONS

150 mm x 915 mm

CONVEYOR MOTOR

370 W

PROCESSING SPEED

10 m/min

MACHINE WIDTH

1-150 mm

SPINDLE SPEED

2800 r/min

NET / GROSS WEIGHT

195 kg / 230 kg

VOLTAGE

3-phase 415 V

MOTOR POWER

3 HP * 2

OVERALL DIMENSIONS (L X W X H)

100 x 58 x 72 cm

PROCESSING THICKNESS

1-80 mm

RUBBER WHEEL DIAMETER

120 mm

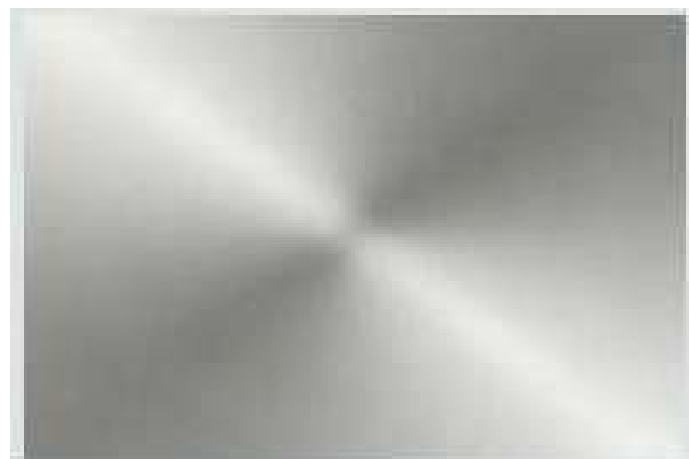
PACKAGING

Non-fumigation wooden box

METAL SHEET FINISH



BEFORE GRINDING



AFTER POLISHING



Three Station

Flat Surface Grinding & Polishing Machine

150mm series | Technical specifications



TECHNICAL SPECIFICATIONS

BELT DIMENSIONS

150 mm x 915 mm

CONVEYOR MOTOR

370 W

PROCESSING SPEED

10 m/min

MACHINE WIDTH

1-150 mm

SPINDLE SPEED

2800 r/min

NET / GROSS WEIGHT

280 kg / 310 kg

VOLTAGE

3-phase 415 V

MOTOR POWER

3 HP * 3

OVERALL DIMENSIONS (L X W X H)

138 x 58 x 72 cm

PROCESSING THICKNESS

1-80 mm

RUBBER WHEEL DIAMETER

120 mm

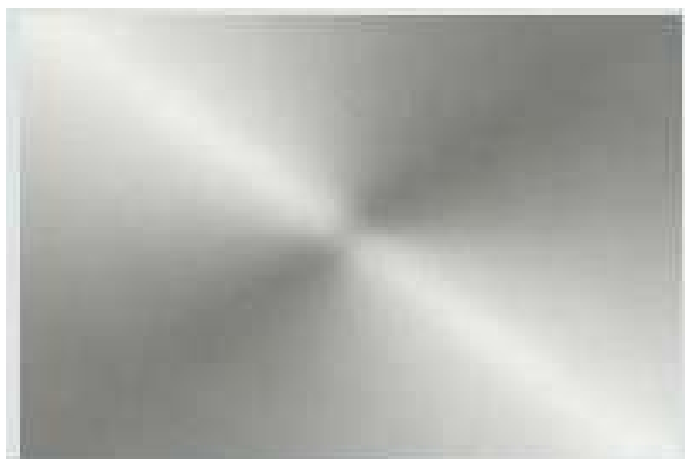
PACKAGING

Non-fumigation wooden box

METAL SHEET FINISH



BEFORE GRINDING



AFTER POLISHING

400MM FLAT SHEET GRINDING & POLISHING

DOUBLE HEAD / THREE HEAD

Ordinary Model

THICKNESS ADJUSTMENT: MANUAL



SURFACE FINISH



Stainless Steel Polishing



Wood Polishing



Rust removal from metal parts



Burr removal from cut parts (deburring)

BUILT FOR CONSISTENT FLAT-SHEET FINISHING

Grinding / Deburring / Satin / Hairline / Polishing

AVAILABLE HEAD

DOUBLE | THREE

TECHNICAL SPECIFICATIONS

WORKING WIDTH
380 mm

MAIN MOTOR POWER
7.5 kW (10 HP)

SUPPLY
415 V / 50 Hz

OVERALL DIMENSIONS
1150 x 750 x 1750 mm

PROCESSING THICKNESS
1-110 mm

MAIN MOTOR COUNT
1 motors

ABRASIVE BELT
380 x 1560 mm

NET WEIGHT
385 kg

400MM FLAT SHEET GRINDING & POLISHING

DOUBLE HEAD / THREE HEAD

Automatic Model

THICKNESS ADJUSTMENT: AUTOMATIC



SURFACE FINISH



Stainless Steel Polishing



Wood Polishing



Rust removal from metal parts



Burr removal from cut parts (deburring)

BUILT FOR CONSISTENT FLAT-SHEET FINISHING

Grinding / Deburring / Satin / Hairline / Polishing

AVAILABLE HEAD

DOUBLE | THREE

TECHNICAL SPECIFICATIONS

WORKING WIDTH
380 mm

MAIN MOTOR POWER
7.5 kW (10 HP)

SUPPLY
415 V / 50 Hz

OVERALL DIMENSIONS
1150 x 750 x 1750 mm

PROCESSING THICKNESS
1-110 mm

MAIN MOTOR COUNT
1 motor

ABRASIVE BELT
380 x 1560 mm

NET WEIGHT
410 kg



FULLY AUTOMATIC 400 MM / DOUBLE STATION

Flat Sheet Grinding & Polishing Machine



AUTOMATIC
OPERATION



UNIFORM
GRINDING &
POLISHING



STABLE
PERFORMANCE



SUPERIOR
SURFACE FINISH

Fully Automatic

MAGNETIC MODEL



TECHNICAL SPECIFICATIONS

Working Width	400 mm	Power Supply	415 V, 50 Hz
Main Motors	2 × 5.5 kW	Conveyor Speed	2–10 m/min
Conveyor Motor	0.75 kW	Speed Adjustment	Adjustable while running
Lifting Motor	0.37 kW	Machine Bed Width	420 mm
Machine Weight	580 kg	Machine Bed Length	1,280 mm
Machine Volume	2.9 m³	Conveyor Belt Size (L × W)	3,220 × 380 mm
Working Thickness	0.5mm to 100mm	Thickness Adjustment	Automatic

MAGNETIC MODEL



415 V / 50 Hz
Power Supply

01



2-10 m/min
Conveyor Speed

Adjustable while the machine is running.

420 mm
Bed Width

1,280 mm
Bed Length

3,220 × 380 mm
Conveyor Belt · Length × Width

Red rubber conveyor belt.

02

Fully automatic metal flat polishing machine



Working Thickness

05mm to 100mm

**Operator
Control Panel**

03



**Double Station
Mechanism**

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FULLY AUTOMATIC 400 MM / DOUBLE STATION

Flat Sheet Grinding & Polishing Machine



AUTOMATIC
OPERATION



UNIFORM
GRINDING &
POLISHING



STABLE
PERFORMANCE



SUPERIOR
SURFACE FINISH

Fully Automatic

VACUUM MODEL



TECHNICAL SPECIFICATIONS

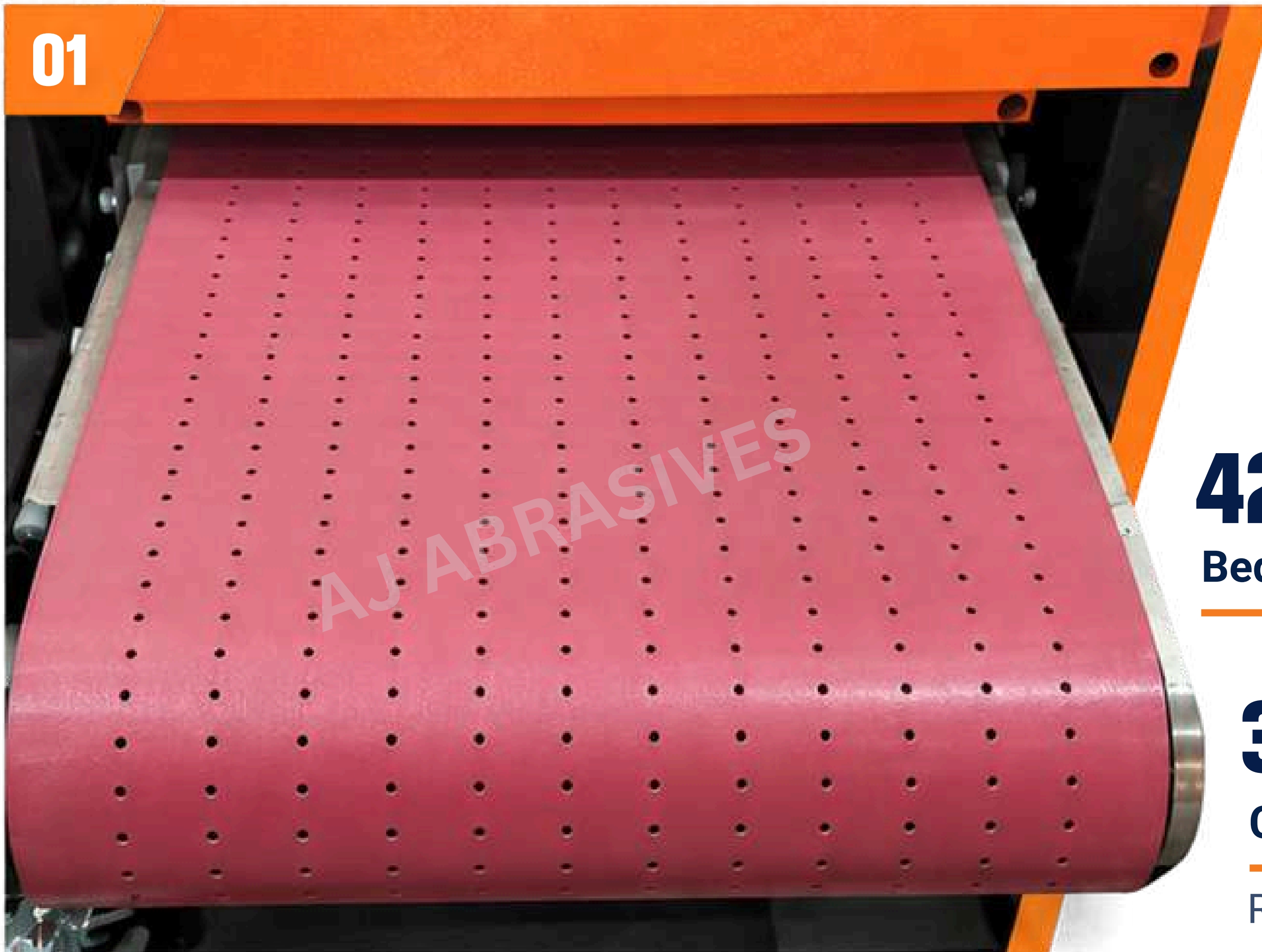
Working Width	400 mm	Power Supply	415 V, 50 Hz
Main Motors	2 × 5.5 kW	Conveyor Speed	2–10 m/min
Conveyor Motor	0.75 kW	Speed Adjustment	Adjustable while running
Lifting Motor	0.37 kW	Machine Bed Width	420 mm
Machine Weight	580 kg	Machine Bed Length	1,380 mm
Machine Volume	2.9 m ³	Conveyor Belt Size (L × W)	3,420 × 380 mm
Working Thickness	0.5mm to 100mm	Thickness Adjustment	Automatic

VACUUM MODEL



415 V / 50 Hz
Power Supply

01



2-10 m/min
Conveyor Speed

Adjustable while the machine is running.

420 mm
Bed Width

1,380 mm
Bed Length

3,420 × 380 mm

Conveyor Belt · Length × Width

Red rubber conveyor belt.

02

Fully automatic metal flat polishing machine



Working Thickness

05mm to 100mm

**Operator
Control Panel**

03



**Double Station
Mechanism**

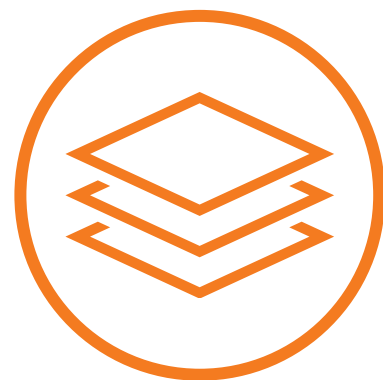
ajpolishingmachine.com

ORDINARY MODEL

600 mm Double Station

Flat Surface Grinding & Polishing Machine

Double station surface finishing



Metal Derusting, Deburring & Polishing

All-in-one machine



Versatile Surface Finishing

For a wide range of metal workpieces



Stable & Reliable

Consistent finishing quality



TECHNICAL SPECIFICATIONS



Main Motor
7.5 kW (10 HP)



Power Supply
415 V / 50 Hz



Processing Thickness
1 – 110 mm



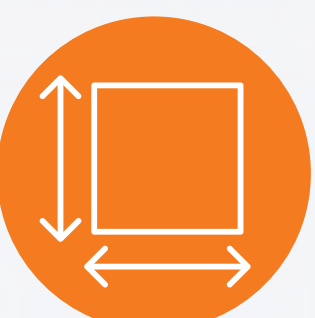
Maximum Working Width
600 mm



Thickness Adjustment
Manual



Abrasive Belt Size
580 × 1560 mm



Overall Dimensions
1150 × 950 × 1750mm



Net Weight
470 kg



Packing
Non-fumigation wooden box

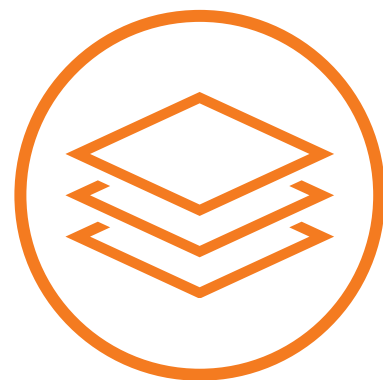
ORDINARY MODEL

600 mm

Three Station

Flat Surface Grinding & Polishing Machine

Three station surface finishing



Metal Derusting, Deburring & Polishing

All-in-one machine



Versatile Surface Finishing

For a wide range of metal workpieces



Stable & Reliable

Consistent finishing quality



TECHNICAL SPECIFICATIONS



Main Motor

7.5kw (10hp) / 5.5kw (7hp)



Power Supply

415 V / 50 Hz



Processing Thickness

1 – 110 mm



Maximum Working Width

600 mm



Thickness Adjustment

Manual



Abrasive Belt Size

580 × 1560 mm



Overall Dimensions

1250 × 950 × 1750mm



Net Weight

470 kg



Packing

Non-fumigation wooden box

AUTOMATIC MODEL

600 mm Double Station

Flat Surface Grinding & Polishing Machine

Double station surface finishing



Metal Derusting, Deburring & Polishing

All-in-one machine



Versatile Surface Finishing

For a wide range of metal workpieces



Stable & Reliable

Consistent finishing quality



TECHNICAL SPECIFICATIONS



Main Motor
7.5 kW (10 HP)



Power Supply
415 V / 50 Hz



Processing Thickness
1 – 110 mm



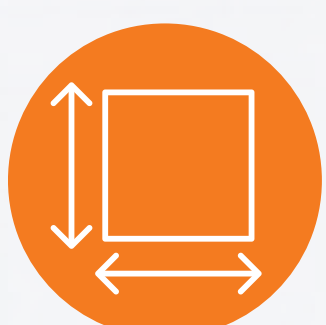
Maximum Working Width
600 mm



Thickness Adjustment
Automatic



Abrasive Belt Size
580 × 1560 mm



Overall Dimensions
1150 × 950 × 1750mm



Net Weight
470 kg



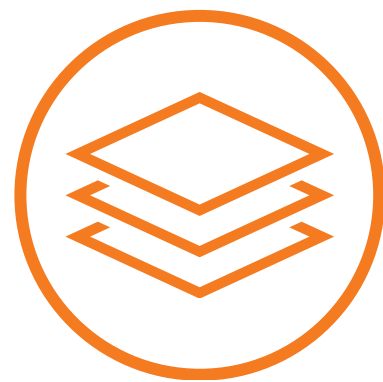
Packing
Non-fumigation wooden box

ORDINARY MODEL

800 mm Double Station

Flat Surface Grinding & Polishing Machine

Double station surface finishing



Metal Derusting, Deburring & Polishing

All-in-one machine



Versatile Surface Finishing

For a wide range of metal workpieces



Stable & Reliable

Consistent finishing quality



TECHNICAL SPECIFICATIONS



Main Motor

7.5 kW (10 HP) x 2



Power Supply

415 V / 50 Hz



Processing Thickness

1 – 110 mm



Maximum Working Width

780 mm



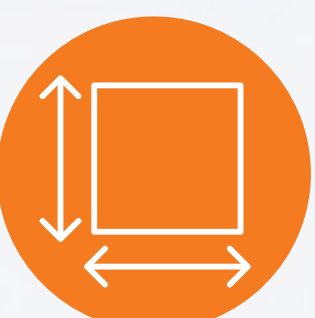
Thickness Adjustment

Manual



Abrasive Belt Size

780 × 1560 mm



Overall Dimensions

1350 × 1150 × 1750mm



Net Weight

570 kg



Packing

Non-fumigation wooden box

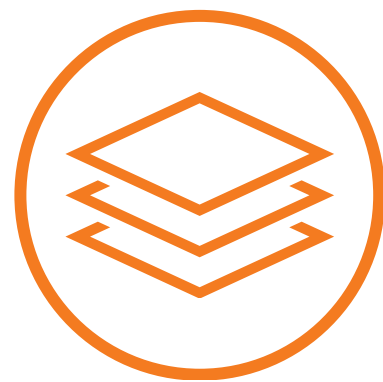
ORDINARY MODEL

800 mm

Three Station

Flat Surface Grinding & Polishing Machine

Three station surface finishing



Metal Derusting, Deburring & Polishing

All-in-one machine



Versatile Surface Finishing

For a wide range of metal workpieces



Stable & Reliable

Consistent finishing quality



TECHNICAL SPECIFICATIONS



Main Motor

7.5kw (10hp) x 3



Power Supply

415 V / 50 Hz



Processing Thickness

1 – 110 mm



Maximum Working Width

780 mm



Thickness Adjustment

Manual



Abrasive Belt Size

780 × 1560 mm



Overall Dimensions

1350 × 1150 × 1750mm



Net Weight

690 kg



Packing

Non-fumigation wooden box

AUTOMATIC MODEL

800 mm
Double Station

Flat Surface Grinding & Polishing Machine

Double station surface finishing



Metal Derusting, Deburring & Polishing
All-in-one machine



Versatile Surface Finishing
For a wide range of metal workpieces



Stable & Reliable
Consistent finishing quality



TECHNICAL SPECIFICATIONS



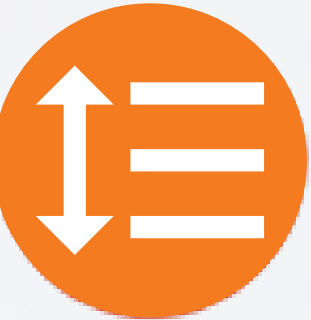
Main Motor
7.5 kW (10 HP) x 2



Power Supply
415 V / 50 Hz



Processing Thickness
1 – 110 mm



Maximum Working Width
780mm



Thickness Adjustment
Automatic



Abrasive Belt Size
780 × 1560 mm



Overall Dimensions
1350 × 950 × 1750mm



Net Weight
620 kg



Packing
Non-fumigation wooden box



8K MIRROR FINISHING MACHINE



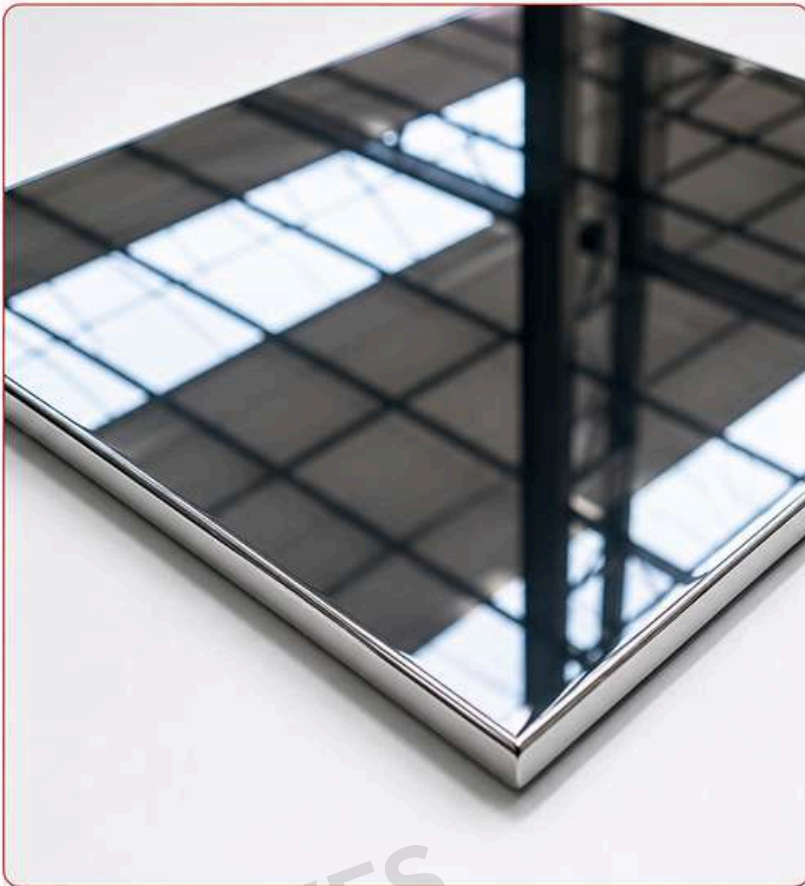
BEFORE

DULL SURFACE | SCRATCHES | POOR REFLECTIVITY



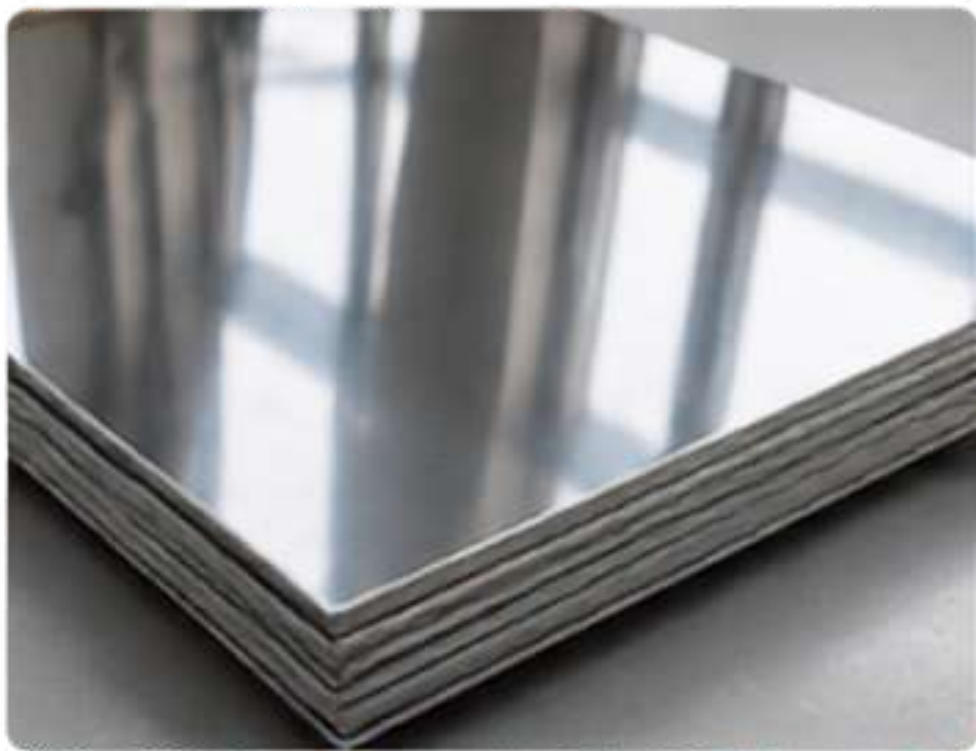
AFTER

MIRROR FINISH | NO SCRATCHES | HIGH REFLECTIVITY



Overall dimensions:	1500 × 1100 × 1600 mm	Power supply:	AC 380 V, 50 Hz, three-phase five-wire
Workpiece thickness:	1–90 mm	Main motor:	380 V / 5.5 kW (7 hp)
Equipment weight:	630 kg	Workbench movement motor	0.7 kW (1 hp) — Front / Back / Left / Right
Work table height:	880 mm	Motor speed:	1430 rpm
Work table size:	460 mm width × 630 mm length	Polishing consumables:	Sandpaper, nylon, cloth and hemp wheels
Polishing Consumables	Sandpaper, Nylon Wheel, Cloth Buff Wheel	Core Components	PLC, Engine, Motor
Finishing	Mirror, Matt, Glossy, Satin	Controller:	Dedicated controller + touch screen

High Gloss • Smooth Surface • Premium Finish FOR MS • SS • ALUMINIUM • COPPER



STAINLESS STEEL (SS)

Corrosion Resistant | High Gloss Finish



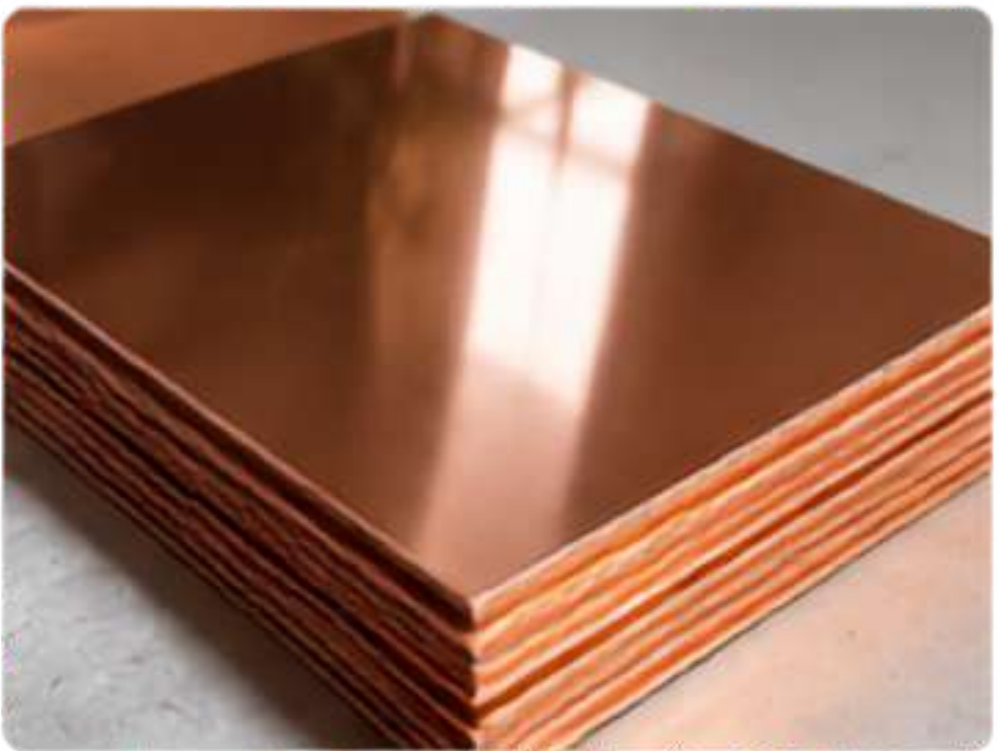
MILD STEEL (MS)

Smooth Surface | Ideal for Industrial Use



ALUMINIUM

Lightweight | Rust Resistant | Durable



COPPER

Excellent Conductivity | Premium Finish

FINISH OPTIONS



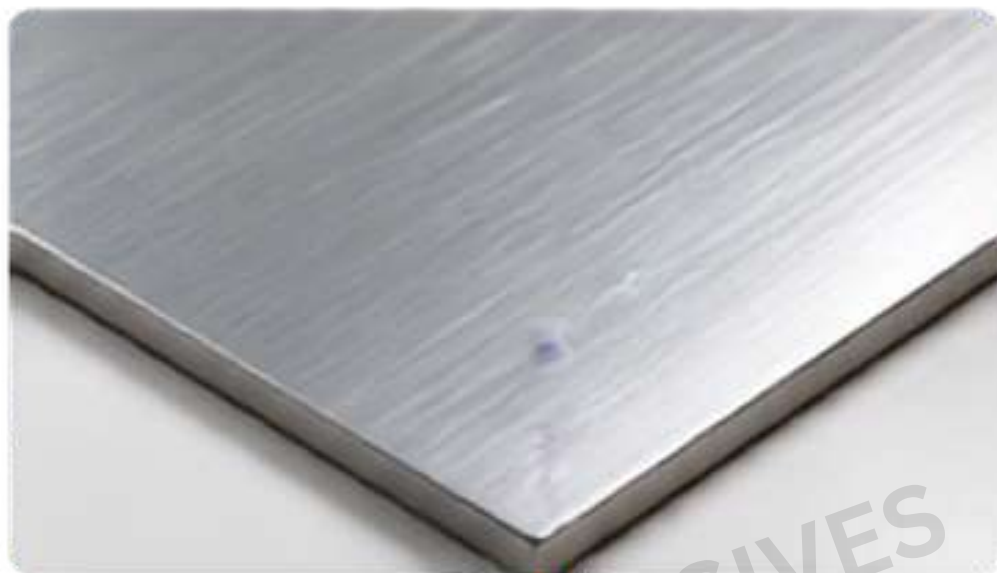
MIRROR FINISH

High Reflective | Perfect Mirror Surface



SATIN FINISH

Smooth & Elegant | Soft Reflection



HAIRLINE FINISH

Stylish Look | Fine Linear Texture



MATT FINISH

Non-Reflective | Uniform & Premium Look



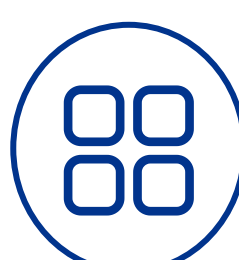
SUPERIOR FINISH
Perfect Mirror
Like Surface



DURABLE & LONG LASTING
Strong & Reliable
Performance



HIGH EFFICIENCY
High Productivity
& Better Output



WIDE APPLICATION
Industrial, Decorative
& Commercial Use



COST EFFECTIVE
Low Maintenance
& High Value



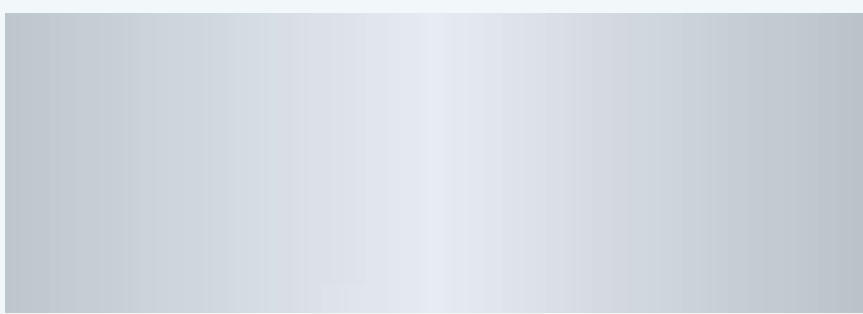
TABLE TOP

Grinding, Polishing, Sanding & Deburring

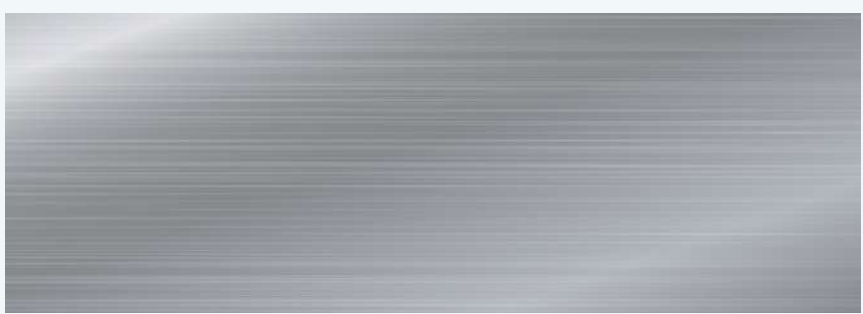
Machine for Metal Sheets



SURFACE FINISH EXAMPLES



SATIN



HAIRLINE



MATT



GLOSSY

TECHNICAL SPECIFICATIONS

PLATFORM WEIGHT 200 kg	WIRE DRAWING SPEED 0-4500 RPM (adjustable)
RATED POWER 2300 W	EQUIPMENT WEIGHT 550 kg
RATED FREQUENCY 50 Hz	MAXIMUM WORKPIECE DIMENSIONS 2000 mm (length) × 1000 mm (height) × 1000 mm (width)
INPUT VOLTAGE 415 V	MACHINE DIMENSION 2900 × 1700 × 1900 mm

Electrically adjustable head with platform locking function.
Integrated wire drawing and sanding belt design.



1000 MM

ORBITAL SANDING GRINDING, POLISHING & DEBURRING MACHINE

Advanced wide-belt and orbital finishing technology for consistent, high-quality surface preparation on flat components.



HEAVY-DUTY | PRECISION CONTROL | UNIFORM FINISH

1000 mm

WORKING WIDTH

0-110 mm

THICKNESS RANGE

0-15 m/min

VARIABLE FEED

BUILT FOR DEMANDING SURFACE FINISHING

- Stainless steel & mild steel sheets
- Aluminium and thin metal components
- Grinding, oxide removal and deburring
- Matt, satin and polished surface preparation

Engineered for stable production, repeatable results and reduced manual effort.

Suitable for industrial fabrication, sheet-metal processing and precision finishing lines.



MACHINE CONFIGURATION



DUAL ABRASIVE BELTS + 1 ROTATING ROLLER + 1 POLISHING ROLLER

TECHNICAL SPECIFICATIONS

Processing width	1000 mm	Processing thickness	0-110 mm
Minimum length - vacuum	50 mm	Minimum length - magnetic	30 mm
Feed rate	0-15 m/min, VFD controlled	Abrasive belt size	1020 x 2020 mm
Rotating roller	Dia. 300 x 300 x 6	Work platform	Semi-vacuum + semi-strong magnetic
Belt motors	11 kW x 2	Brush motors	1.5 kW x 3, VFD controlled
Lifting motor	1.1 kW	Conveyor motor	2.2 kW, VFD controlled
Public rotary motor	1.5 kW, VFD controlled	Polishing roller	3 kW
Machine dimensions	3800 x 1800 x 2200 mm	Machine weight	Approx. 3.5 tons

HIGH-QUALITY COMPONENTS

- Delta abrasive-belt VFD
- Autonics photoelectric switch
- Conveyor tail cleaning roller
- SKF bearings
- Servo platform lifting



NEGATIVE PRESSURE FAN

11 kW

Included with machine



WET VACUUM CLEANER

5.5 kW | 4,527 m³/h Flow rate

2850r/min | 1256pa Total Pressure | Rated current: 6.1A | 280kg
Overall vacuum dimensions: 900 x 1100 x 1950 mm



100 mm Outer Circle

Belt + Wheel | 2in1

PIPE, TUBE & ROD GRINDING / POLISHING MACHINE



TECHNICAL SPECIFICATIONS

MODEL 01

WORKPIECE DIAMETER

3-100 mm

MAIN MOTOR

3 kW (4 hp)

TOTAL POWER

3.4 kW

VOLTAGE

415 V

PROCESSING SPEED

0-12 m/min

NO-LOAD SPEED

1500 r/min

WORKING LENGTH

No limit

MACHINE WEIGHT

220 kg

ABRASIVE SIZE

Belt: 100 x 1600 mm | Wheel: 80 x 250 x 32 mm

100 mm Outer Circle

Wheel Model

PIPE, TUBE & ROD GRINDING / POLISHING MACHINE



TECHNICAL SPECIFICATIONS

MODEL 02

WORKPIECE DIAMETER

3-100 mm

MAIN MOTOR

3 kW (4 hp)

TOTAL POWER

3.4 kW

VOLTAGE

415 V

PROCESSING SPEED

0-12 m/min

NO-LOAD SPEED

1500 r/min

WORKING LENGTH

No limit

MACHINE WEIGHT

180 kg

ABRASIVE SIZE

Wheel: 80 x 250 x 32 mm

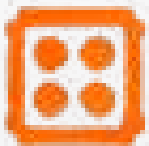


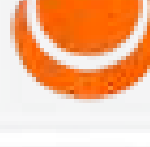
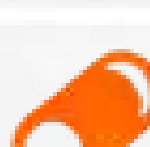
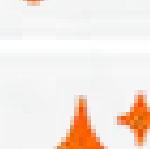
10–220 mm Pipe Grinding & Polishing Machine With Safety Cover

SINGLE
HEAD



SPECIFICATIONS

	Model	FD-220
	Main motor power	1 × 5 HP (1 motor)
	Motor type	Pure copper
	Source motor rating	3/4 kW (5 HP)
	Polishing wheel diameter	250 / 300 mm
	Working diameter	10–220 mm
	Process speed	3–8 m/min
	Dimensions	1000 × 1100 × 1100 mm
	Voltage	415 V
	Crane motor	Speed up the motor
	Cylinder RPM	Adjustable
	Processing length	Min 500mm to Unlimited

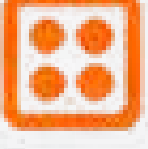
	Weight	220 kg
	Service mode	Video call / On-site (chargeable)
	Frequency	50 Hz
	Control panel type	Push button / VFD based
	Speed control	Variable Frequency Drive (VFD)
	Emergency stop	Yes
	Machine frame	Heavy-duty MS fabricated body
	Spindle shaft material	EN8 / Hardened steel
	Roller material	PU coated / Rubber coated
	Roller adjustment	Manual / Screw type
	Finish capability	Matt / Satin / Mirror finish
	Noise level	Low noise operation

10–220 mm Pipe Grinding & Polishing Machine With Safety Cover

DOUBLE
HEAD



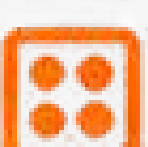
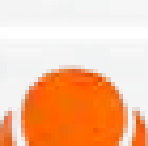
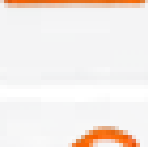
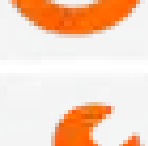
SPECIFICATIONS

	Model	FD-220 - 2		Weight	220 kg
	Main motor power	2 × 5 HP (2 motor)		Service mode	Video call / On-site (chargeable)
	Motor type	Pure copper		Frequency	50 Hz
	Source motor rating	3/4 kW (5 HP)		Control panel type	Push button / VFD based
	Polishing wheel diameter	250 / 300 mm		Speed control	Variable Frequency Drive (VFD)
	Working diameter	10–220 mm		Emergency stop	Yes
	Process speed	3–8 m/min		Machine frame	Heavy-duty MS fabricated body
	Dimensions	1000 × 1100 × 1100 mm		Spindle shaft material	EN8 / Hardened steel
	Voltage	415 V		Roller material	PU coated / Rubber coated
	Crane motor	Speed up the motor		Roller adjustment	Manual / Screw type
	Cylinder RPM	Adjustable		Finish capability	Matt / Satin / Mirror finish
	Processing length	Min 500mm to Unlimited		Noise level	Low noise operation



10–220 mm Pipe Grinding & Polishing Machine With Safety Cover

SPECIFICATIONS

	Model	FD-220 - 3		Weight	220 kg
	Main motor power	3 × 5 HP (3 motor)		Service mode	Video call / On-site (chargeable)
	Motor type	Pure copper		Frequency	50 Hz
	Source motor rating	3/4 kW (5 HP)		Control panel type	Push button / VFD based
	Polishing wheel diameter	250 / 300 mm		Speed control	Variable Frequency Drive (VFD)
	Working diameter	10–220 mm		Emergency stop	Yes
	Process speed	3–8 m/min		Machine frame	Heavy-duty MS fabricated body
	Dimensions	1000 × 1100 × 1100 mm		Spindle shaft material	EN8 / Hardened steel
	Voltage	415 V		Roller material	PU coated / Rubber coated
	Crane motor	Speed up the motor		Roller adjustment	Manual / Screw type
	Cylinder RPM	Adjustable		Finish capability	Matt / Satin / Mirror finish
	Processing length	Min 500mm to Unlimited		Noise level	Low noise operation

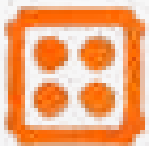


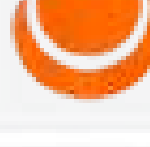
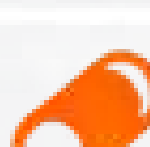
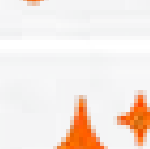
30–220 mm Pipe Grinding & Polishing Machine With Safety Cover

SINGLE
HEAD



SPECIFICATIONS

	Model	FD-220
	Main motor power	1 × 5 HP (1 motor)
	Motor type	Pure copper
	Source motor rating	3/4 kW (5 HP)
	Polishing wheel diameter	250 / 300 mm
	Working diameter	30–220 mm
	Process speed	3–8 m/min
	Dimensions	1000 × 1100 × 1100 mm
	Voltage	415 V
	Crane motor	Speed up the motor
	Cylinder RPM	Adjustable
	Processing length	Unlimited

	Weight	220 kg
	Service mode	Video call / On-site (chargeable)
	Frequency	50 Hz
	Control panel type	Push button / VFD based
	Speed control	Variable Frequency Drive (VFD)
	Emergency stop	Yes
	Machine frame	Heavy-duty MS fabricated body
	Spindle shaft material	EN8 / Hardened steel
	Roller material	PU coated / Rubber coated
	Roller adjustment	Manual / Screw type
	Finish capability	Matt / Satin / Mirror finish
	Noise level	Low noise operation

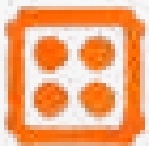
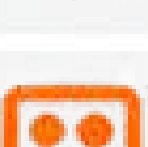
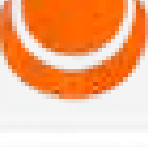
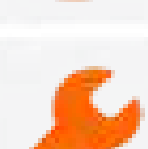


30–220 mm Pipe Grinding & Polishing Machine With Safety Cover

DOUBLE
HEAD



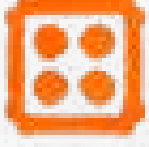
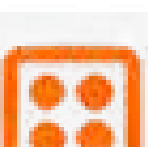
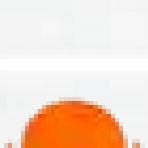
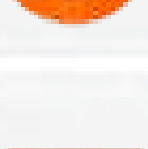
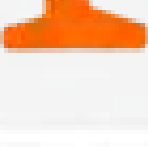
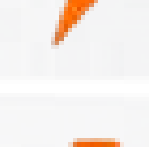
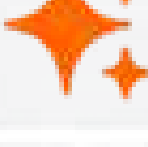
SPECIFICATIONS

	Model	FD-220 - 2		Weight	220 kg
	Main motor power	2 × 5 HP (2 motor)		Service mode	Video call / On-site (chargeable)
	Motor type	Pure copper		Frequency	50 Hz
	Source motor rating	3/4 kW (5 HP)		Control panel type	Push button / VFD based
	Polishing wheel diameter	250 / 300 mm		Speed control	Variable Frequency Drive (VFD)
	Working diameter	30–220 mm		Emergency stop	Yes
	Process speed	3–8 m/min		Machine frame	Heavy-duty MS fabricated body
	Dimensions	1000 × 1100 × 1100 mm		Spindle shaft material	EN8 / Hardened steel
	Voltage	415 V		Roller material	PU coated / Rubber coated
	Crane motor	Speed up the motor		Roller adjustment	Manual / Screw type
	Cylinder RPM	Adjustable		Finish capability	Matt / Satin / Mirror finish
	Processing length	Unlimited		Noise level	Low noise operation



30–220 mm Pipe Grinding & Polishing Machine With Safety Cover

SPECIFICATIONS

	Model	FD-220 - 3		Weight	220 kg
	Main motor power	3 × 5 HP (3 motor)		Service mode	Video call / On-site (chargeable)
	Motor type	Pure copper		Frequency	50 Hz
	Source motor rating	3/4 kW (5 HP)		Control panel type	Push button / VFD based
	Polishing wheel diameter	250 / 300 mm		Speed control	Variable Frequency Drive (VFD)
	Working diameter	30–220 mm		Emergency stop	Yes
	Process speed	3–8 m/min		Machine frame	Heavy-duty MS fabricated body
	Dimensions	1000 × 1100 × 1100 mm		Spindle shaft material	EN8 / Hardened steel
	Voltage	415 V		Roller material	PU coated / Rubber coated
	Crane motor	Speed up the motor		Roller adjustment	Manual / Screw type
	Cylinder RPM	Adjustable		Finish capability	Matt / Satin / Mirror finish
	Processing length	Unlimited		Noise level	Low noise operation



Four side

Square Pipe, L angle, T angle

Pipe and rod

Grinding & Polishing

Machine

High performance Grinding & Polishing Machine designed for four side finishing of L angle, T angle, Square Pipe and Rod. High accuracy and consistent results for premium quality products.

FEATURES

- ✓ Four side simultaneous grinding & polishing
- ✓ Suitable for L Angle, T Angle, Square Pipe & Rod
- ✓ Adjustable pressure for perfect finishing
- ✓ High quality abrasive wheels for longer life
- ✓ Easy operation & low maintenance
- ✓ Heavy duty structure for industrial use

SUITABLE FOR



L angle



C Channel



T angle / I Beam



Square Pipe



Square Bar

SPECIFICATION

TECHNICAL SPECIFICATION			
Overall dimensions	1800mm × 1600mm × 1400mm	Guide wheel speed	Adjustable 0–200 RPM
Total motor power	12.75KW (17hp)	Grinding head speed	2800 RPM
Grinding head motor	3KW (4hp)	Processing width	Within 100mm
Guide wheel motor	0.75KW	Processing length	Within 100mm
Feeding speed	Adjustable 0–30 m/min	Polishing wheel size	250mm × 32mm × 80mm





Four side Aluminium & Wood Pipe, Tube and rod Grinding & Polishing Machine

The Four Square Aluminium & Wood Polishing Machine delivers precise four-side polishing in a single pass. Designed for aluminium profiles, wooden sections, and square tubes, it ensures consistent finish, high productivity, and reliable industrial performance.

FEATURES

- ✔ Simultaneous polishing on four sides
- ✔ Uniform finish with high accuracy
- ✔ Suitable for aluminium, wood & metal profiles
- ✔ Conveyor feed for smooth operation
- ✔ Adjustable polishing heads for different sizes
- ✔ Robust build for industrial performance

SUITABLE FOR



Square Pipe



Aluminium Profile



Wood Profile

SPECIFICATION

TECHNICAL SPECIFICATION					
Main Motor	2.2kw/3kw (3hp/4hp)	Processing Size	Width within 14cm, Thickness within 8cm, Length exceeding 30cm	Feeding speed	uniform/adjustable
Conveyor Motors	0.37kw	Thickest machined size	80mm	Wheel Diameter	150 * 150 * 25.4mm
Swing Motor	0.37kw	Air pressure	0.6/0.8	Inner Hole	25.4mm
Finished size width	140mm	Rated voltage	380v	Machine Size:	1700 * 950* 1700mm
Finishing size shortest	300mm	Speed	1400rpm	Weight	300kg



C Flange

Bottle Cap

Polishing Machine

Specially designed for polishing C Flange and Bottle Cap components with high precision, uniform finish and higher productivity.

FEATURES

- ✓ Specially designed for C Flange & Bottle Cap polishing
- ✓ Consistent and Glossy-Matt-Satin-like finish
- ✓ Adjustable polishing pressure
- ✓ Variable speed control for perfect results
- ✓ Heavy duty construction for long life
- ✓ Easy to operate and maintain

SUITABLE FOR



C Flange



Bottle Caps



Other round compount

SPECIFICATION

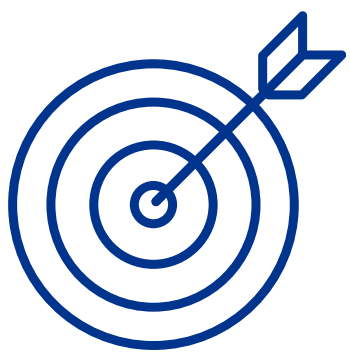
TECHNICAL SPECIFICATION			
Maximum Processing Diameter	150mm	Guide wheel speed	Adjustable 0–200 RPM
Minimum Processing Diameter	5mm	Machine Weight	400KG
Processing Length	4–100mm	Polishing Wheel Size	40 × 32 × 250
Input Voltage	380V	Automotive Industry Bottle Cap Manufacturing Packaging Industry Valve & Pump Manufacturing Pharmaceutical Equipment Aerospace & Defence Sanitary & Pipe Fittings Precision Engineering Fastener & Hardware Industry Metal Fabrication Food & Beverage Industry Electrical & Electronics	
Total Power	3.7KW (5hp)		



BEND PIPE, TUBE & ROD POLISHING MACHINE

FOR METAL, SS, MS, COPPER, ALUMINIUM & WOOD

Compact and powerful polishing machine designed to deliver high quality finish on bend pipes, tubes and rods with ease and precision.



PRECISE
FINISH



DURABLE &
RELIABLE



HIGH
EFFICIENCY



EASY TO
OPERATE

AVAILABLE VARIATIONS

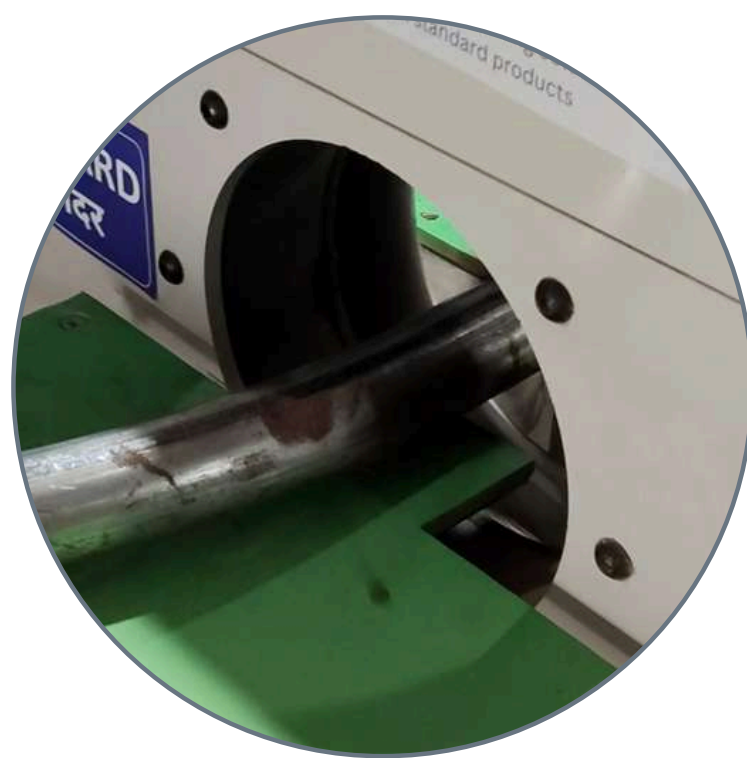
80 MM MODEL

Max. Polishing Diameter
80 mm



160 MM MODEL

Max. Polishing Diameter
160 mm



Before



After

KEY FEATURES

- ✓ Suitable for Bend Pipes, Tubes & Rods
- ✓ Heavy-Duty Industrial Construction
- ✓ Smooth Grinding & Polishing Finish
- ✓ Adjustable Working Support
- ✓ High Production Efficiency

SUITABLE FOR



Copper



Aluminium

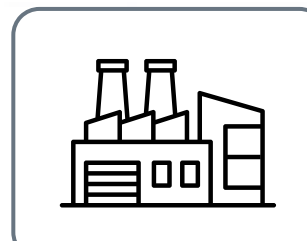


Wood



MS & SS

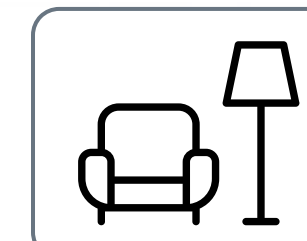
APPLICATIONS



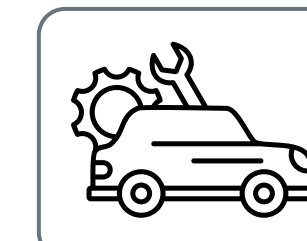
FABRICATION &
ENGINEERING



RAILING &
HANDRAIL



FURNITURE &
DECORATIVE



AUTOMOTIVE
INDUSTRY

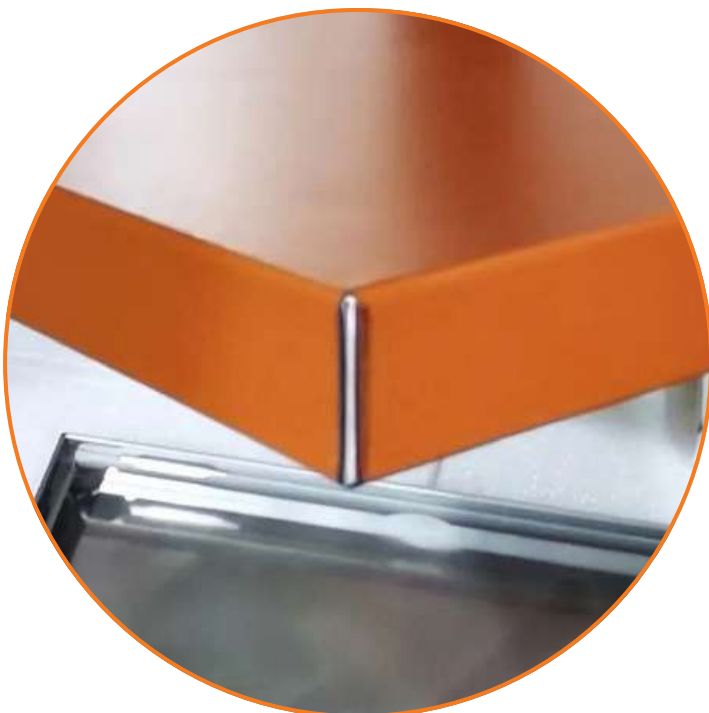


GENERAL
INDUSTRY



R ANGLE BOX CORNER VERTICAL CORNER GRINDING & POLISHING MACHINE

For Metal, Stainless Steel, Mild Steel, Copper, Brass, Aluminium & Wood



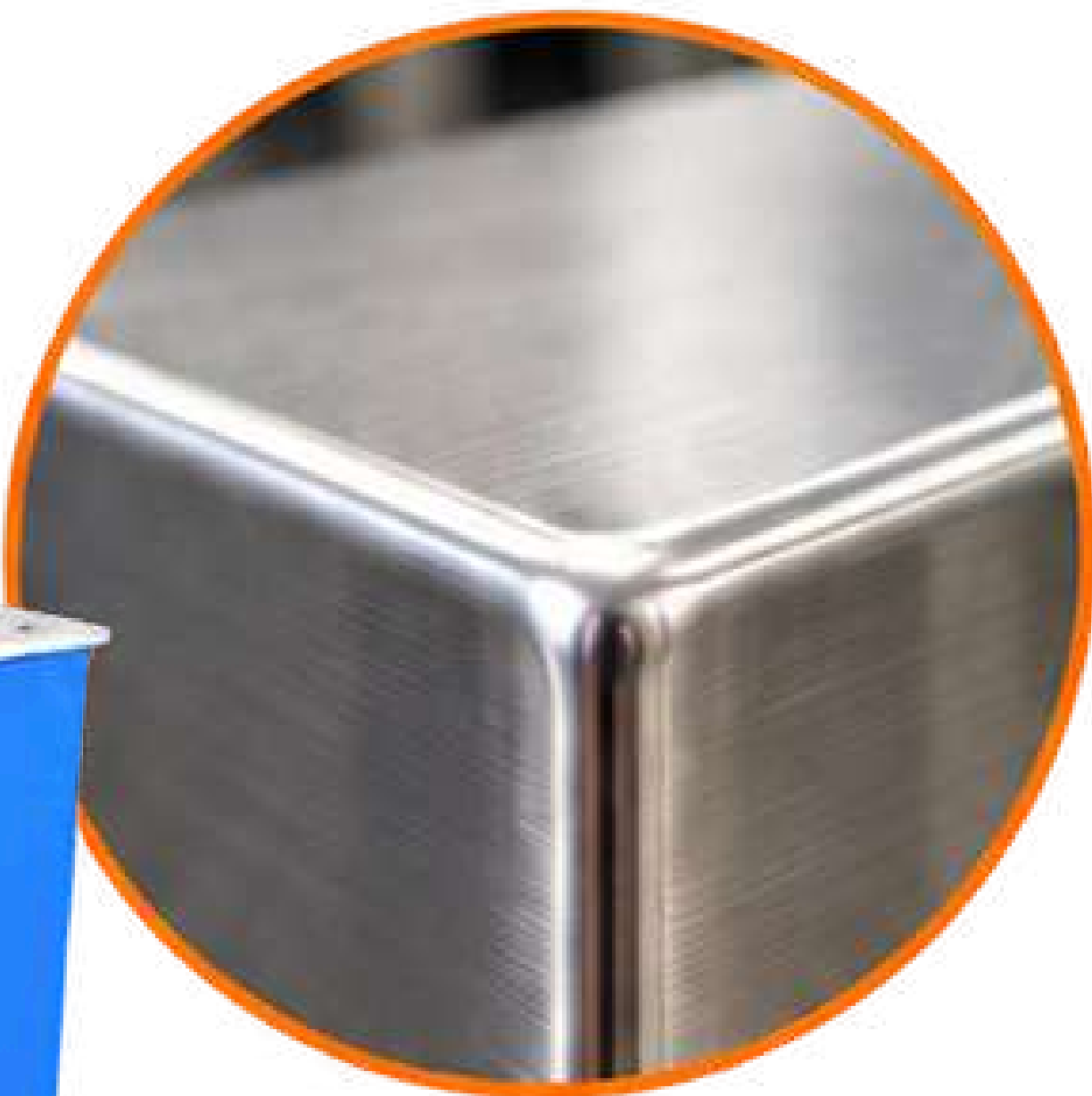
SPECIFICATIONS

Work platform	800 x 400 mm
Motor power	2.2 kW (3 HP)
Platform angle	Adjustable
Power supply	Three-phase, four-wire, 380 V
Starting mode	Electric box control, one-key start
Overall dimensions	180 x 80 x 125 cm
Up/down movement	500 mm



1200 MM R ANGLE BOX CORNER - HORIZONTAL GRINDING & POLISHING MACHINE

For Metal, SS, MS, Copper, Brass, Aluminium & Wood



SMOOTH R-ANGLE FINISH

Consistent and high-quality edge polishing



WIDE MATERIAL COMPATIBILITY

Suitable for metal and wood materials



STABLE & RELIABLE

Rugged construction for long service life

TECHNICAL SPECIFICATIONS

Model	AJ-1200RAGH
Processing length	Within 1200 mm
Total power	3 kW (4 HP)
Grinding speed	0-100 mm/s
Sandpaper specification	2100 x 1000 mm
Ambient temperature	-15°C to 45°C
Power supply	Three-phase, 380V ±5%, 50Hz
Weight	485 kg
Dimensions (L × W × H)	1650 x 1570 x 1160 mm



SQUARE BOX



RECTANGULAR BOX



SS SQUARE PLATE WITH CHAMFER



METAL CUTTING SOLUTIONS

305 Cold Metal Cutting Saw

Cold cutting for steel pipes and profiles



Burr-free cold cutting



Stable & precise performance



Suitable for pipes and profiles



Robust industrial design



Digital Display



Technical Specification

Machine type	Table-Type Metal Cold Cutting Saw	Maximum cutting cross-section	120 × 120 mm
Saw blade diameter	305 mm / 355 mm (12-14 inches)	Machine weight	Approximately 165 kg
Spindle speed	700–1,300 RPM	Clamping system	Quick-Clamping Vice
Motor power	3.0 kW / 4.0 kW	Feed mechanism	Manual feed using a raising/lowering handle
Power supply	380 V, three-phase / 220 V, single-phase	Suitable workpieces	Square tubes, round pipes, angle steel, channel steel and solid steel sections
Cutting angle	Adjustable from 0° to 45°	Safety features	Saw blade guard, emergency stop button and motor protective cover



METAL CUTTING SOLUTIONS

405

Cold Metal Cutting Saw

Cold cutting for steel pipes and profiles



Burr-free cold cutting



Stable & precise performance



Suitable for pipes and profiles



Robust industrial design

Digital Display



Technical Specification

Machine type	Table-Type Metal Cold Cutting Saw	Maximum cutting cross-section	160 × 160 mm
Saw blade diameter	405 mm / 450 mm (16-18 inches)	Machine weight	Approximately 240 kg
Spindle speed	700–1,300 RPM	Clamping system	Quick-Clamping Vice
Motor power	3.0 kW	Feed mechanism	Manual feed using a raising/lowering handle
Power supply	380 V, three-phase	Suitable workpieces	Square tubes, round pipes, angle steel, channel steel and solid steel sections
Cutting angle	Adjustable from 30° to 90°	Safety features	Saw blade guard, emergency stop button and motor protective cover
Other components: Angle adjustment plate, positioning fence and chip collection box.			



45° & 90° IRON/METAL CUTTING MACHINE

Pneumatic & Electric | Semi-Automatic



for:
MS, SS, COPPER,
ALUMINIUM,
WOOD & BRASS

TECHNICAL SPECIFICATIONS

Application	Iron / steel pipe, wall thickness up to 5 mm
Motor power	2.2 kW
Motor winding	Copper
Blade speed	1,000 RPM
Blade diameter	12-14 inches (305-356 mm)
Blade bore	25.4 mm
Cutting angles	45° & 90°
Maximum cutting stroke	150 mm
Listed cutting capacity*	85 mm
Air pressure	4-8 kgf/cm ²
Voltage	380 V / 220 V
Frequency	50 Hz
Machine weight	165 kg
Dimensions (L × W × H)	750 × 700 × 850 mm



45° & 90° ALUMINIUM/WOOD CUTTING MACHINE

Pneumatic & Electric | Semi-Automatic



for:
ALUMINIUM & WOOD

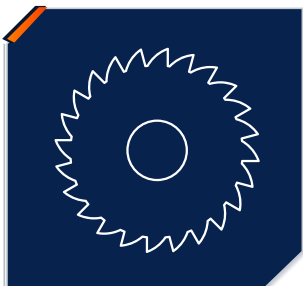
Working Voltage	380v	45° Max Cutting Height/Width	60mm/110mm (305mm) 80mm/130mm (355mm)
Motor Power	1.5KW (2hp)	90° Max Cutting Height/Width	60mm/140mm (305mm) 80mm/160mm (355mm)
Spindle Speed	2800R/min	Overall Dimension	720*680*930mm
Saw Blade Size	305*25.4*3.0*120T 355*25.4*3.2*120T	Total Weight	150kg



ACCURATE
ANGLE CUTTING



PNEUMATIC
CLAMPING



CLEAN &
PRECISE CUTS



HIGH
PRODUCTIVITY



NUT & BOLT POLISHING / GRINDING MACHINE

Industrial surface finishing for fasteners in a range of sizes

AJ ABRASIVES



FINISHED NUT & BOLT SAMPLES

Polished metal fasteners shown in progressively larger sizes



SAMPLE RANGE

- SMALL**
Fine fasteners
- MEDIUM**
General purpose
- LARGE**
Heavy fasteners

TECHNICAL SPECIFICATIONS

Motor power	3 kW x 2 units
Belt size	1900 x 50
Rotational speed	1480 rpm
Voltage	Three-phase, 415 V
Weight	400 kg
Processing thickness	Within 100 mm
Dimensions (L x W x H)	1500 x 900 x 1400 mm

Compare machine variations

MACHINE MODEL	RANGE	HEAD / TOOL	TYPE
400 mm Double Head — Ordinary	400 mm	Double	Ordinary
400 mm Three Head — Ordinary	400 mm	Three	Ordinary
400 mm Double Head — Automatic	400 mm	Double	Automatic
600 mm Double Head — Ordinary	600 mm	Double	Ordinary
600 mm Three Head — Ordinary	600 mm	Three	Ordinary
600 mm Double Head — Automatic	600 mm	Double	Automatic
3–100 mm Pipe — Belt + Wheel	3–100 mm	2 in 1	Belt + Wheel
3–100 mm Pipe — Wheel Only	3–100 mm	Wheel	Only Wheel
10–220 mm Pipe — Single Head	10–220 mm	Single	Safety cover
10–220 mm Pipe — Double Head	10–220 mm	Double	Safety cover
10–220 mm Pipe — Three Head	10–220 mm	Three	Safety cover
3–80 mm Elbow Bend Pipe	3–80 mm	Belt	Bend / Elbow
10–160 mm Elbow Bend Pipe	10–160 mm	Belt	Bend / Elbow
Four Square L Angle, T Angle Pipe - Heavy Duty	Within 100mm	Wheel	Heavy Duty
Four Square Aluminium & Wood	Within 125mm	Wheel	Light Duty
Inner Outer Pipe	100–300 mm	Wheel	Inner Outer
C Flange Bottle Cap	4–100mm	Belt + Wheel	Belt + Wheel
45° & 90° Aluminium & Wood Cutting	45° & 90°	Blade	Frame Cutting
1000mm Orbital Sanding Machine	1000mm	Belt + Roller + Wheel	Automatic
Table Top - Grinding, Polishing, Sanding & Deburring	1000 mm	Belt + Wheel	Adjustable Head
R Angle Corner Grinding Machine - Vertical	500mm Up Down	Belt	Vertical
1200mm R Angle Corner Grinding Machine - Horizontal	1200mm	Belt	Horizontal
305 - 405 Iron/Metal Cutting Machine	30° - 90° 0 - 45°	Blade	Metal Cold Cutting Saw
1200mm R Angle Corner Grinding Machine - Horizontal	1200mm	Belt	Horizontal

Built around your finish.

Machine configuration and abrasive selection should match the material, workpiece and required finish.

01

MS

Mild steel grinding and surface preparation



02

SS

Stainless-steel polishing and finishing



03

ALUMINIUM

Controlled finishing for aluminium surfaces



04

COPPER

Polishing for copper components



05

BRASS

Material removal and preparation



06

WOOD

Improved appearance and smoother finish



07

TITANIUM

Controlled finishing for suitable titanium parts



08

OTHER ALLOYS

Application-specific finishing for selected alloys



Need help choosing the right setup?

Share your material, workpiece size and required finish.

Our team can recommend a suitable machine configuration.

For titanium and other alloys, suitability depends on the grade and application.

A sample trial can help confirm the required process and finish.

AJ ABRASIVES – MACHINE SOLUTIONS

Call or Whatsapp

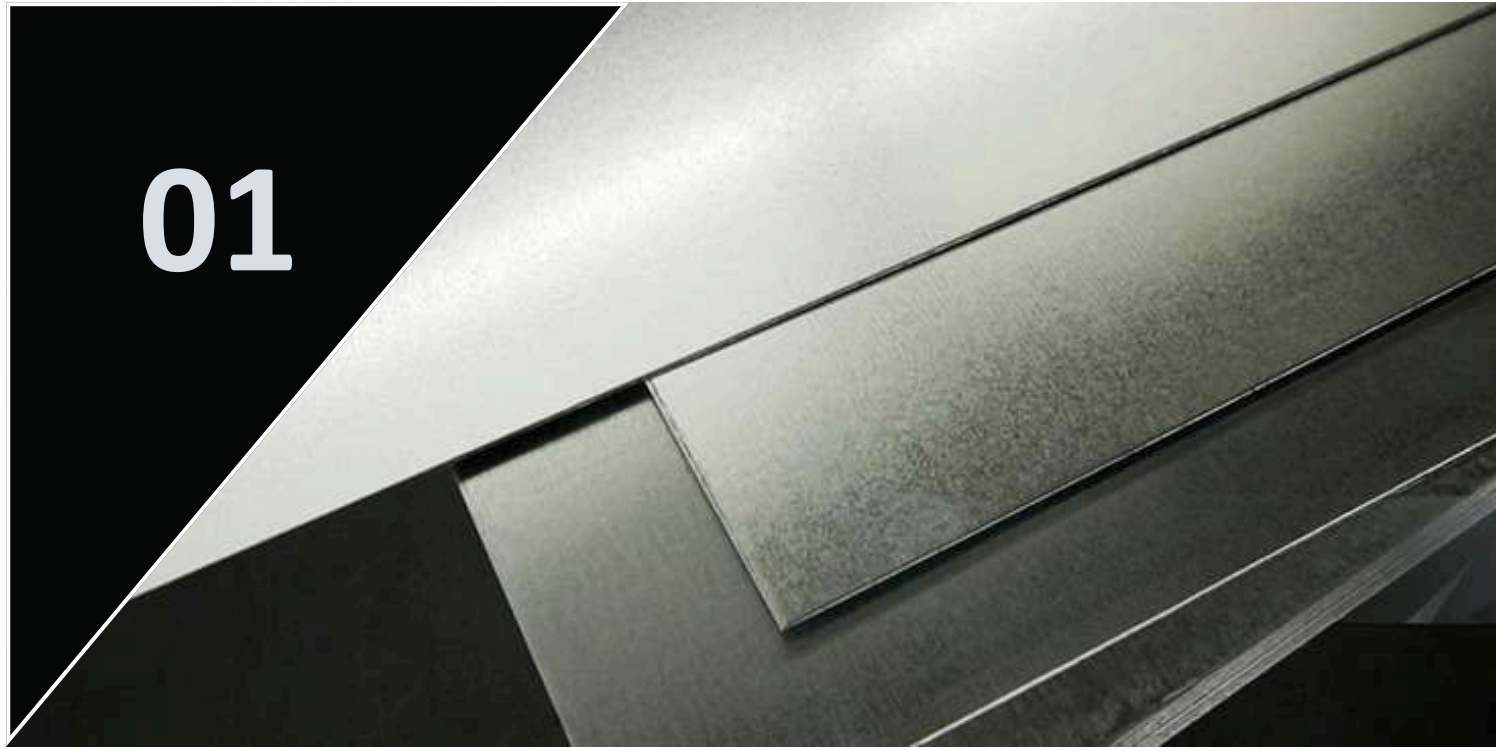
+91 70397 76555

+91 98332 55571

SURFACE FINISH OPTIONS

CHOOSE THE FINISH. PERFECT THE RESULT.

Different finishes for different applications.
From high-gloss mirror shine to refined matt-
our machines deliver surface quality every time.

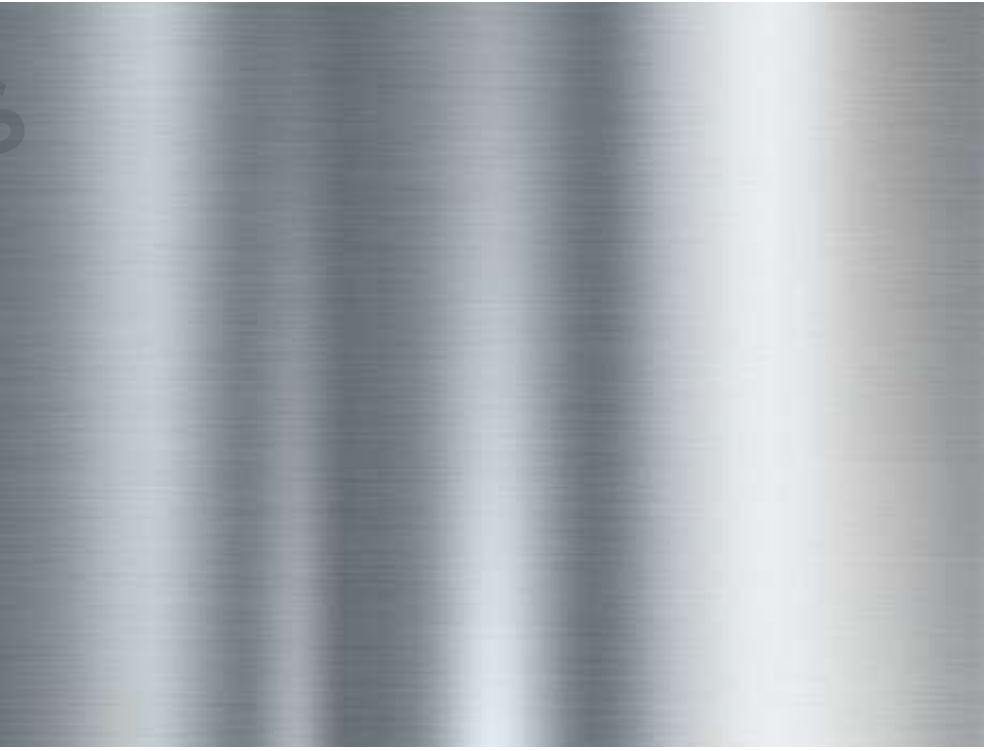


GLOSSY FINISH

Bright and reflective surface with an eye-catching shine.

APPLICATIONS

- DECORATIVE PRODUCTS
- KITCHEN EQUIPMENT
- ELEVATORS
- AUTOMOTIVE PARTS
- ARCHITECTURAL APPLICATIONS

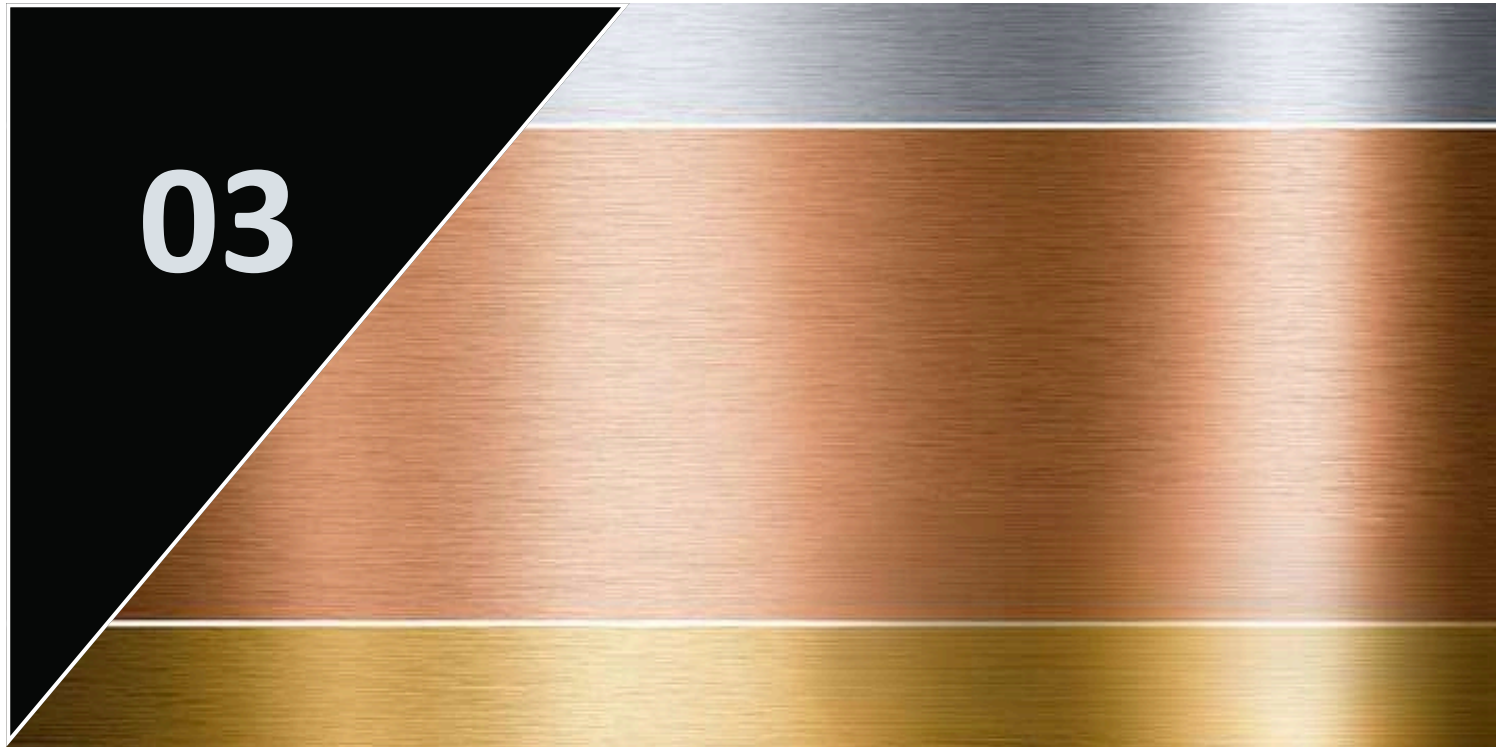


MIRROR FINISH

Ultra-high reflective finish that provides a clear mirror-like surface.

APPLICATIONS

- ARCHITECTURAL DECOR
- HANDRAILS & RAILINGS
- DECORATIVE PANELS
- LUXURY PRODUCTS
- LIGHTING FIXTURES



HAIRLINE FINISH

Fine linear lines that create a stylish, directional textured look.

APPLICATIONS

- DECORATIVE PRODUCTS
- KITCHEN EQUIPMENT
- ELEVATORS PANELS
- DOORS
- WALL CLADDING



SATIN FINISH

Smooth, soft sheen with a subtle reflection and uniform appearance.

APPLICATIONS

- KITCHEN APPLIANCES
- COOKWARE
- MEDICAL EQUIPMENT
- FURNITURE
- INTERIOR DESIGN



MATT FINISH

Non-reflective, low-gloss surface for a modern and elegant look.

APPLICATIONS

- KITCHEN APPLIANCES
- PANELS
- FURNITURE
- CABINETS
- DECORATIVE PRODUCTS





After-sales support

Support that keeps your production moving.



INSTALLATION, TRAINING AND TECHNICAL SUPPORT— FROM OUR TEAM TO YOURS.

01 Machine Installation & Commissioning

02 Operator Training

03 Technical Troubleshooting

04 Maintenance Guidance

05 Spare Parts & Abrasives Support

06 Remote & On-Site Service Assistance



AJ ABRASIVES

Let's build a better finishing process.

HEAD OFFICE

1st Floor, Vikas Udyog, B3, Near Oxygen Bottle Godown,
Behind Church, Bhayandar East, Mumbai – 401105

PHONE

Sales Support: +91 70397 76555
+91 98332 55571
Technical Support: +91 75069 56555
+91 73879 60655
Dispatch Details: +91 73873 40655

FACTORY

Unit -2, Gala No- V9, Qureshi compound,
Near National Express Highway
Chinchoti - Kaman- Vasai East
Pin Code - 410208

WEBSITE

www.ajpolishingmachine.com
www.ajabrasives.com

Email (for inquiries, catalogue & quotation)
sales@ajpolishingmachine.com

Industrial polishing and grinding machines backed by practical product guidance and after-sales support.

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