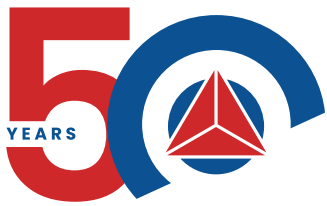




MECHANICAL MACHINES



Harshad[®]
GROUP

Jewellery Tools | Machinery | Packaging | Display



Minting Press



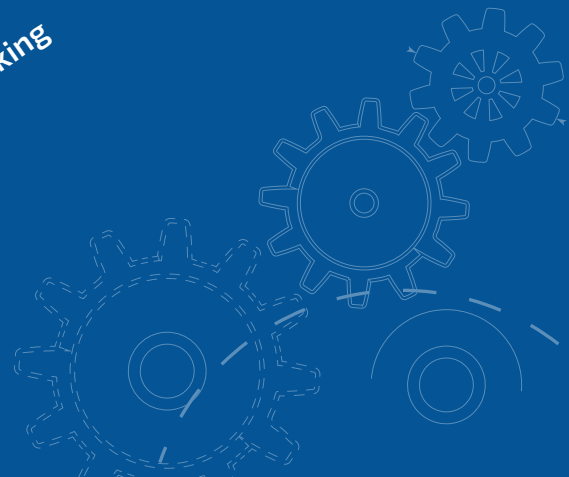
Chain Making



CNC



Ball Cutting



Harshad Group Launches New Division for Mechanical Machines

Harshad Group, a leading provider of jewelry tools & machinery for casting jewelry units, 3D printers, laser machines and more in the Middle East, announced today the launch of a new division for mechanical machines. The new division will offer a range of innovative and high-quality products and services for various applications, focusing on all kinds of mechanical forming and CNC cutting machines.

"We are excited to expand our portfolio and enter the mechanical machines market, which is growing rapidly in the region and globally. We believe that our expertise and reputation in the jewelry manufacturing industry will give us a competitive edge in this new domain. We are confident that we will be able to offer our customers the best value and quality in mechanical machines", Mr Devan Dhakan, Operating CEO of Harshad Group.

Harshad Group was established in 1971 and has since grown to become a leading player in the jewelry manufacturing, gold refining, retail and packaging in the Middle East. The group has branches in UAE, Bahrain, and Saudi Arabia, and serves customers across the region and beyond. The group is known for its product range, reliability, and customer satisfaction.

The new division for mechanical machines will offer a wide range of products and services, such as rolling mills, wire drawing, tube forming and drawings, wire cutting, strip preparation, annealing, Chain making plants, and CNC for bangles, flat, and multi-axis. The new division will also provide customized solutions to meet the specific needs and requirements of different customers.

For more information, please visit www.harshad.com or contact info@harshadgroup.com



CNC Machines



Chain Making Machines

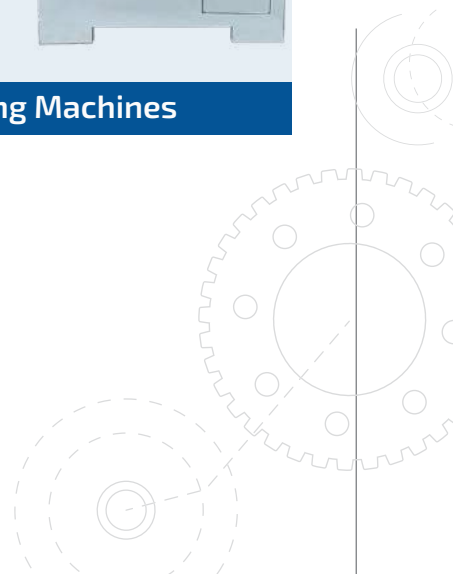


Minting Press



Supporting Machines

MECHANICAL MACHINES



G5-350 Jewelry Carving & Milling - 5 Axis Machine

- * **Metal recovery:** High rate of 99.98%, minimizing waste.
- * **Compact:** Small footprint ideal for jewelry workshops.
- * **Tool capacity:** 20 tools in fully sealed internal magazine.
- * **Durable parts:** German Rexroth ball guide rails and screw rods.
- * **Stable structure:** Cast iron body with five-axes utilizing German Alpha reducer.
- * **Precise & efficient:** Japanese servo motor for high performance.



Technical Specification

| | |
|----------------------------------|-----------------------|
| Spindle speed | 3.7kW / 40000 rpm |
| Tool handle specification | ISO20 |
| Spindle tool clamping range | ø 1 - 10 |
| Chuck specification | ER16 |
| Servo motor power | 400W |
| Repeating position accuracy | ±0.005 mm |
| XYZ axis reciprocating precision | ±0.01/300 mm |
| Working flatness | ±0.015 mm |
| XYZ stroke | 350 x 185 x 220 |
| Dimension (L x W x H) | 1520 x 1150 x 2050 mm |
| Machine Weight | 1500 kg |
| Power | 380V / 50Hz, 3 phase |



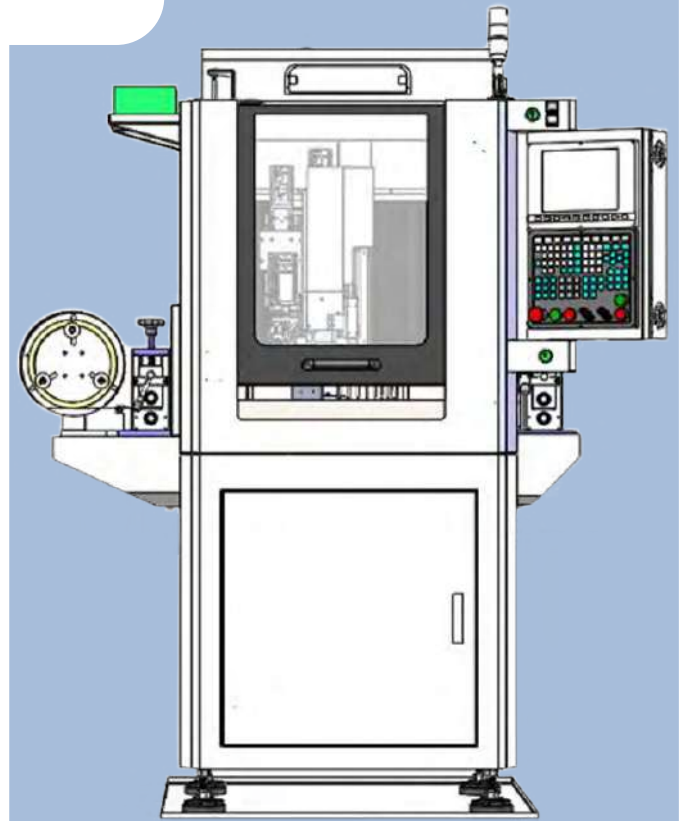
G9-550B Vertical and Horizontal - 9 Axis Machine

- * **High metal recovery rate:** Up to 99.95%, minimizing precious metal waste.
- * **Stable and precise:** Cast iron body and German Alpha reducers used in the four and five axes for accuracy.
- * **Large tool capacity:** Holds 20 carving knives and 12 batch cutting knives.
- * **High-speed spindles:** Vertical spindle at 40,000 rpm, horizontal spindle at 60,000 rpm.
- * **Horizontal structure:** Enables automatic tool change and multi-angle batching.
- * **Easy programming:** intelligent software allows for one-click tool path generation.



| Technical Specification | | |
|-----------------------------------|-----------------------|-------------------|
| Spindle speed | Vertical | 3.7kW / 40000 rpm |
| | Horizontal | 2.5kW / 60000 rpm |
| Spindle tool holder specification | Vertical | HSK E25 |
| | Horizontal | ISO10 T11 |
| Spindle tool clamping range | Vertical | ø 1 - 10 |
| | Horizontal | ø 1 - 7 |
| Spindle chuck specification | Vertical | ER16 |
| | Horizontal | ER11 |
| Servo motor power | 200W / 400W / 750W | |
| Repeating position accuracy | ±0.003 mm | |
| XYZ axis reciprocating precision | ±0.01/300 mm | |
| Working flatness | ±0.005 mm | |
| XYZ1Z2 stroke | 500 x 130 x 190 x 140 | |
| Dimension (L x W x H) | 1150 x 1130 x 2100 mm | |
| Machine Weight | 2000 kg | |
| Power | 380V / 50Hz, 3 phase | |

G5-430 Sheet Engraving Machine - 5 Axis



Technical Specification

| | |
|-------------------------|---|
| Transmission components | Repeatability: ± 0.005 mm (Rexroth, Germany) |
| Operation | 220MB-5, 10 inch screen operation box (SYNTEC system) |
| Servo motor | 200W / 400W / 750W |
| Spindle | 3.7kW, max. speed 45000 rpm water cooling with flow alarm |
| Tool magazine | Servo-drive Up to 10 tools |
| Tool holder | HSK E25 |
| Collet chuck | ER-16 |
| Lubrication | Timing automatic oiling |
| Working flatness | ± 0.005 mm |
| X axis stroke | 430 mm |
| Y axis stroke | 120 mm |
| Z axis stroke | 115 mm |
| Front door | Sliding door |
| Dimension (L x W x H) | 1600 x 1000 x 2400 mm |
| Machine Weight | 1500 kg |
| Power | 380V / 50Hz, 3 phase |



G10-220 Ball Carving Machine



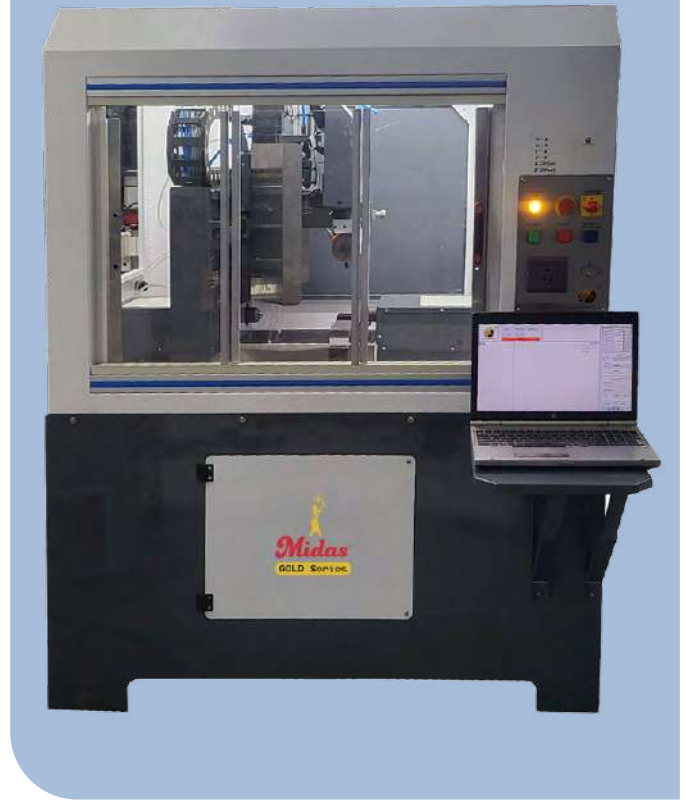
Technical Specification

| | |
|-------------------------|--|
| B axis reducer | Rated torque 15.3Nm, Instantaneous max. torque 53.5Nm, Rated speed 250rpm, max. speed 500rpm (Japan) |
| W axis | max. 10000rpm, max. dia. of round cutter: 70mm |
| Transmission components | Repeatability: ± 0.005 mm (Rexroth, Germany) |
| Operation | 220MB - 10.4 inch screen operation box, max. extending 500mm on width at left side (SYNTEC system) |
| Servo motor | 50W / 400W / 750W |
| Spindle | 2.5kW, max. speed 60000rpm, water cooling with flow-alarm |
| Tool magazine | Auto calibration: 0.002mm Up to 8 tools |
| Bead rolling | Servo-drive 250 rpm to 500 rpm |
| Loading & Unloading | Servo motor vacuum chuck |
| Tool holder | ISO 10 |
| Collet chuck | ER-11 |
| Lubrication | Timing automatic oiling |
| Working flatness | ± 0.015 mm |
| X, Y, Z axis stroke | X- 180mm, Y- 50mm, Z- 130mm |
| Front door | Pneumatic driving extending 600mm upward when opened |
| Dimension (L x W x H) | 840 x 970 x 2100 mm |
| Machine Weight | 1000 kg |
| Power | 220V / 50Hz |

6+2 Axis Double Head Hollow Pipe Cutting Machine

Applications:

- * Square pipe
- * Triangular pipe
- * Rectangle pipe
- * Solid wire
- * Hollow pipe



Technical Specification

| | |
|------------------------|---|
| Number of Milling Head | Vertical & horizontal |
| Type of Main Centre | Universal |
| Number of Axis | 8 Axis T1- Right Rotating Job T2- Left Rotating Job B – Rotating Horizontal holder (360 Degree) Z – Cutting Depth for Jobs X – Longitude for Centering Jobs Y –Latitude for Centering Jobs H – Horizontal Tool Servo V– Vertical Tool Motor (with Pneumatic Tool Changing) |
| Type of Jobs | All Types of Hollow Pipe And Solid Bar (Silver, Brass And Gold -1mm to 8mm) Square Pipe Triangular Pipe Rectangle Pipe |
| Pipe dimensions | 1 mm to 8 mm |
| Operating | Laptop Or Industrial PC |
| Designing software | Corel, AutoCAD, Art Cam (*.plt Format) |
| Milling Speed | Vertical – 60000 rpm (max) Horizontal – 12000 rpm (max) |
| Milling Spindle Motor | Vertical – 2.5 kw Horizontal – 400 w |
| Dimension (L x W x H) | 34 x 46 x 70 in |
| Machine Weight | 650 kg |



Horizontal Wire Faceting Machine

Applications:

- * Horizontal cutting on solid wire (0.4 To 6 mm)
- * Horizontal cutting on hollow pipe (0.6 To 6 mm)
- * Horizontal cutting on round chains
- * Horizontal cutting on ball chains



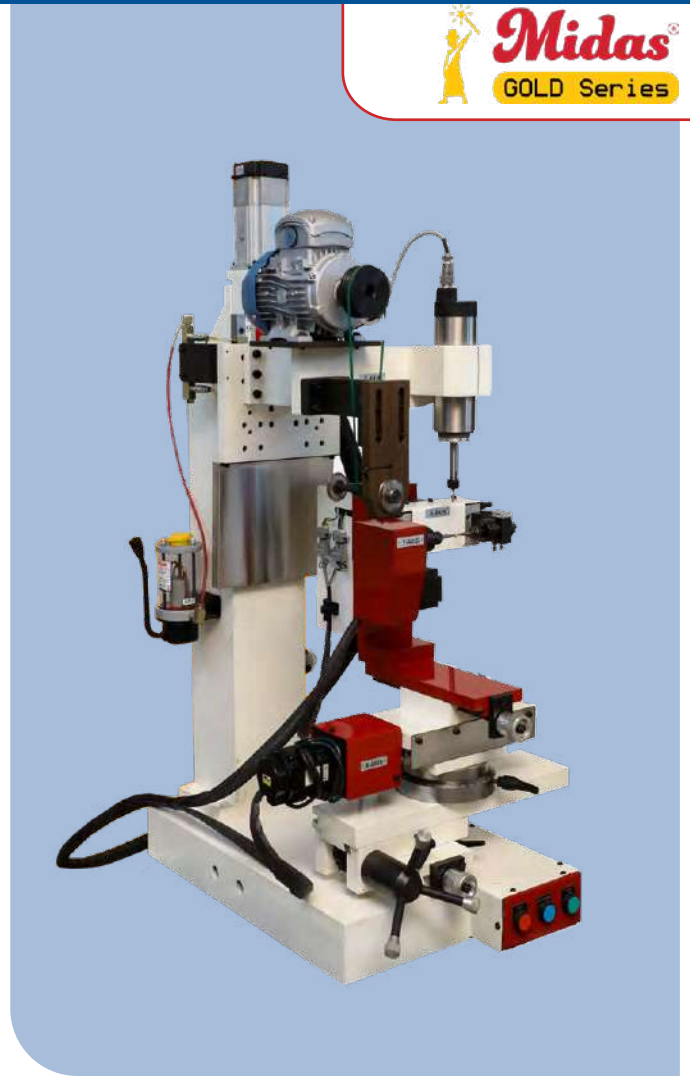
Technical Specification

| | |
|------------------------|--|
| Number of Milling Head | Horizontal With 360 degree Manual |
| Type of Main Centre | Universal |
| Number of Axis | 3+2 Axis A – Rotating Spindle X – Feed Axis B– Horizontal Tool Servo For Synchronal Operation Z – Cutting Depth for Jobs T – Wire Winding |
| Type of Jobs | Solid Round Wire (0.4 mm To 6 mm) Hollow Pipe (0.6mm To 6mm) Round Chains |
| Operating | Touch Screen HMI |
| Milling Speed | Horizontal – 10000 rpm (max) |
| Spindle Motor | Horizontal – 750 W Rotary Spindle – 1.5kW |
| Dimension (L x W x H) | 30 x 48 x 54 in |
| Machine Weight | 620 kg |

4 Axis Double Head Ball Cutting Machine

Applications:

- * Spherical ball
- * Oval ball
- * Pipe (6mm -25mm)
- * Hollow ball
- * Bali & Tops
- * Flat & Half Round Bands



Technical Specification

| | |
|------------------------------|---|
| Number of Milling Head | Horizontal and Vertical |
| Type of Main Centre | Universal |
| Number of Axis | 4 Axis X – Longitude for Centering Jobs T – Rotating of Jobs A – Tilting Z – Cutting Depth for Jobs |
| Type of Jobs | Spherical Balls Oval Balls Pipe Capsule |
| Type of Optional Accessories | All Optional Accessories can be fitted for above type of Jobs |
| Designing software | Corel, AutoCAD, Art Cam (*.plt Format) |
| Milling Speed | Vertical – 24000 rpm (max) Horizontal – 12000 rpm (max) |
| Milling Spindle Motor | Vertical – 0.75KW Horizontal – 0.18KW |
| Dimension (L x W x H) | 30 x 28 x 46 inches |
| Machine Weight | 250 kg |

Attachment



5 Axis Single Head Ball Faceting Machine with Auto Pick and Place

Applications:

- * All type of vertical cutting on spherical ball (2mm to 22mm) and oval ball with auto degree with automatic pick n place
- * Dot cutting
- * C cutting
- * Football cutting



Technical Specification

| | |
|------------------------|---|
| Number of Milling Head | Vertical |
| Type of Main Centre | Universal |
| Number of Axis | 5 Axis T – Rotating of Jobs A – Tilting Z – Cutting Depth for Jobs X1 – Place Ball Z1– Pick Ball |
| Type of Jobs | Round Ball (2mm to 6mm) Oval Ball |
| Operating | Touch screen HMI |
| Designing software | Corel, AutoCAD, Art Cam(*.plt Format) |
| Main Features | Auto Rejects Defects & Uneven Balls, Measuring Live Ball Size. |
| Milling Speed | Vertical – 24000 rpm (max) |
| Milling Spindle Motor | Vertical – 800 KW |
| Dimension (L x W x H) | 40 x 30 x 68 in |
| Machine Weight | 450 kg |



6 Axis Single Head Ball Faceting Machine with Auto Pick and Place

Applications:

- * All type of vertical cutting on spherical ball (2mm to 22mm) and oval ball with auto degree with automatic pick n place
- * Dot cutting
- * C cutting
- * Football cutting
- * Pipe 4mm to 12mm length
- * All types of design possible



Technical Specification

| | |
|------------------------|--|
| Number of Milling Head | Vertical |
| Type of Main Centre | Universal |
| Number of Axis | 5 Axis T – Rotating of Jobs X – Longitude for Centering Job A – Tilting Z – Cutting Depth for Jobs X1 – Place Ball Z1– Pick Ball |
| Type of Jobs | Round Ball (2mm to 6mm) Oval Ball Pipe length (4mm to 12mm) |
| Operating | Touch screen HMI |
| Main Features | Auto Rejects Defects & Uneven Balls, Measuring Live Ball Size. |
| Milling Speed | Vertical – 24000 rpm (max) |
| Milling Spindle Motor | Vertical – 800 W |
| Dimension (L x W x H) | 40 x 30 x 68 in |
| Machine Weight | 450 kg |

7 Axis Single Head Ball Faceting Machine with Auto Pick and Place

Applications:

- * Slash cutting on spherical ball (2mm to 22mm) and oval ball with auto degree
- * Auto pick and place



Technical Specification

| | |
|------------------------|---|
| Number of Milling Head | Vertical |
| Type of Main Centre | Universal |
| Number of Axis | 7 Axis T – Rotating of Jobs A – Tilting B – Rotating Horizontal holder (360 Degree) Z – Cutting Depth for Jobs C – Horizontal Tool Servo For Synchronal Operation X1 – Place Ball Z1– Pick Ball |
| Type of Jobs | Round Ball (2mm to 6mm) Oval Ball |
| Operating | Touch screen HMI |
| Main Features | Auto Rejects Defects & Uneven Balls, Measuring Live Ball Size. |
| Milling Speed | Horizontal – 10000 rpm (max) |
| Milling Spindle Motor | Horizontal – 400 W |
| Dimension (L x W x H) | 40 x 30 x 68 in |
| Machine Weight | 450 kg |

8 Axis Single Head Ball Faceting Machine with Auto Pick and Place

Applications:

- * Slash cutting on spherical ball (2mm to 22mm) and oval ball with auto degree
- * Pipe 4mm to 12mm length
- * Auto pick and place



Technical Specification

| | |
|------------------------|---|
| Number of Milling Head | Horizontal with 360 degree |
| Type of Main Centre | Universal |
| Number of Axis | 8 Axis T - Rotating of Jobs A - Tilting B - Rotating Horizontal holder (360 Degree) X - Longitude for Centering Job Z - Cutting Depth for Jobs C - Horizontal Tool Servo For Synchronal Operation X1 - Place Ball Z1- Pick Ball |
| Type of Jobs | Round Ball (2mm to 6mm) Oval Ball Pipe length (4mm to 12mm) |
| Operating | Touch screen HMI |
| Main Features | Auto Rejects Defects & Uneven Balls, Measuring Live Ball Size. |
| Milling Speed | Horizontal - 10000 rpm (max) |
| Milling Spindle Motor | Horizontal - 400 W |
| Dimension (L x W x H) | 40 x 30 x 68 in |
| Machine Weight | 450 kg |

Automatic Faceting Machine For Hollow Pipe

Applications:

- * Hollow Pipe
- * Solid Bar



| Technical Specification | |
|-------------------------|--|
| Number of Milling Head | Vertical |
| Type of Main Centre | Universal |
| Number of Axis | 3 Axis T – Rotating of Jobs Z – Cutting Depth for Jobs X – Longitude for Centering Jobs |
| Type of Jobs | All Types of Hollow Pipe And Solid Bar (Silver, Brass And Gold -1mm to 6mm) |
| Operating | Laptop Or Industrial PC |
| Designing software | Corel, AutoCAD, Art Cam(*.plt Format) |
| Milling Speed | Vertical – 24000 rpm (max) |
| Milling Spindle Motor | Vertical – 0.75KW |
| Dimension (L x W x H) | 33 x 35 x 50 in |
| Machine Weight | 300 kg |

5+2 Axis Double Head Pendant Cutting Machine

Applications:

- * 3D pendants
- * 3D component
- * Plate Background
- * Bangles Elements
- * Jewelry Components



Technical Specification

Number of Milling Head Vertical & Horizontal

Type of Main Centre Universal

Number of Axis
 7 Axis
 T – Tool Changing
 B – Rotating Horizontal holder (360 Degree)
 Z – Cutting Depth for Jobs
 X – Longitude for Centering Jobs
 Y – Latitude for Centering Jobs
 H – Horizontal Tool Servo
 V – Vertical Tool Motor (with Pneumatic Tool Changing)

Type of Jobs
 Any Flat Plate
 Pendant Cutting
 Jali Cutting

Sheet Dimension 80mm x 280mm

Operating Laptop Or Industrial PC

Designing software Corel, AutoCAD, Art Cam(*.plt Format)

Milling Speed
 Vertical – 60000 rpm (max)
 Horizontal – 12000 rpm (max)

Milling Spindle Motor
 Vertical – 1.8 kw
 Horizontal – 400 w

Dimension (L x W x H) 34 x 46 x 70 in

Machine Weight 650 kg

Bangle & Ring Faceting Machine - 7x Servo Model

SP-CNC-7XB-M

Applications:

Flat, Half round & V - kada type bangle cutting with 360 degree horizontal degree cuts and horizontal to vertical auto.

Features:

- * In-built horizontal background synchro dull
- * Real time plot view for cutting jobs
- * Horizontal cuts with 360 degree (star cuts)
- * Lots of inbuilt designs
- * Emergency alarm output



| Technical Specification | |
|-------------------------|---|
| Milling Head | Horizontal & Vertical + turning head |
| Main Centre | Universal |
| Number of Axis | 7 Axis servo based machine X, Y, Zh, Zv, H, R, D |
| Verticle Spindle | 60000 rpm (tool C/D by pneumatic) |
| Horizontal Cutter Speed | 10000 rpm |
| Designing software | CorelDraw & Art Cam (.plt & .nc file format) |
| Use for Bangle | Flat, half round, and V-type jobs |
| Turning Table Option | 3rd head |
| Vertical Tool Data | 100T for different design |
| Dimension (L x W x H) | 34 x 44 x 60 in |
| Machine Weight | 750 - 850 kg (approx.) |

Included Machine Setup:

- * Bangle engraving software (synchro)
- * Bangle clamp De-clamp by manual
- * Bangle collet set (2.0.0 to 2.8.0)
- * Computer Stand / I Computer System (As Per Requirement)
- * Water chiller system for vertical spindle
- * Cabin of Machine (M S Structure)
- * Necessary tool kit

Bangle & Ring Faceting Machine - 8x Servo Model

SP-CNC-8XB-RA

Applications:

For Bangle and Ring, Flat, Half round & V - kada type jobs cutting with horizontal 360 degree (star cut)

Features:

- * In-built horizontal background synchro dull
- * Real time plot view for cutting jobs
- * Horizontal cuts with 360 degree (star cuts)
- * Lots of inbuilt designs
- * Low air pressure alarm output
- * Emergency alarm output



| Technical Specification | |
|-------------------------|---|
| Milling Head | Horizontal & Vertical + turning head |
| Main Centre | Universal |
| Number of Axis | 8 Axis servo based machine X, Y, Zh, Zv, H, R, D |
| Verticle Spindle | 60000 rpm (tool C/D by pneumatic) |
| Horizontal Cutter Speed | 10000 rpm |
| Automatic Tool Changer | 10 tool options |
| Designing software | CorelDraw & Art Cam (.plt & .nc file format) |
| Use for Bangle | Flat, half round, and V-type jobs |
| Turning Table Option | 3rd head |
| Vertical Tool Data | 100T for different design |
| Dimension (L x W x H) | 34 x 44 x 60 in |
| Machine Weight | 750 - 850 kg (approx.) |

Included Machine Setup:

- * Bangle engraving software (synchro)
- * Bangle / Ring clamp De-clamp by manual
- * Bangle collet set (2.0.0 to 2.8.0) / Ring Attachment
- * Computer Stand / I Computer System (As Per Requirement)
- * Water chiller system for vertical spindle
- * Cabin of Machine (M S Structure)
- * Necessary tool kit

Semi Automatic Small Plate Faceting Machine



Bangle & Ring Sizer



- * 1 horsepower
- * 15 ton capacity
- * All metal model with manual operation lever and pressure gauge stable

Bismark Chain Coupling Machine - MBL 30



Automatic machine for coupling multi-pitch chains using laser systems. PLC manages an adjustable speed cycle facilitating the machine adjustment during the tool change, which is simple and fast thanks to the adjustable self-centering passages and the quick repositioning of the machine groups.

Technical Specification

| | |
|------------------------------|--------------------------|
| Max width of finished chain | 14 mm |
| Max height of finished chain | 4 mm |
| Max pitch | 15 mm |
| Production speed | 600 welds/min |
| Lubrication | Forced lubrication |
| Pneumatic supply | 5/6 bar |
| Power supply | 230V ~ 50/60Hz, 1ph |
| Power consumption | 150 VA |
| Dimensions | 960 x 560 x 1400-1560 mm |
| Weight | 110 kg |



Optional:

- * Kit for chain up to 25 mm in width
- * Laser generator
- * Automatic chain unwinder
- * Tool box

Side-Cut Cable Chain MAS 30



High speed machine with Double Rack mechanism. Equipped with Induction motor, AC drive, Led lamp, Sturdy Metal stand, Forced Lubricating oil pump and Wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.24 - 0.85 mm |
| Speed | 350 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.5 kW |
| Dimensions | 480 x 508 x 1450 mm |
| Weight | 170 kg |



Box/Venetian Chain MAV 30



High Speed Quality machine with Double Rack mechanism. Equipped with Induction motor, AC drive, Led lamp, Sturdy stand, Oil pump and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Best Suitable for Laser Bismark Coupling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.50 - 1.25 mm |
| Speed | 350 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.5 kW |
| Dimensions | 480 x 508 x 1450 mm |
| Weight | 170 kg |



Left/Right Curb Chain MTG 30



High speed machine with Left And Right curb in one single machine with pushing mechanism. Equipped with Induction motor, AC drive, LED lamp, sturdy stand, oil pump, air function and wire tensioner forced air mechanism.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.25 - 0.80 mm |
| Speed | 350 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Spiga Chain MTS 30



High speed machine for Spiga chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.40 - 0.80 mm |
| Speed | 90 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Rolo Chain MAR 30



High speed machine for Rolo chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump and wire tensioner. The machines comes fully installed with one size of tested carbide tooling.

Compatible with bismark joining machine.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.40 - 1.00 mm |
| Speed | 300 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.5 kW |
| Dimensions | 480 x 508 x 1450 mm |
| Weight | 170 kg |



Cable Chain MTA 30



High speed machine for cable chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.20 - 0.80 mm |
| Speed | 350 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Curb Chain MTC 30



High speed machine for curb chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.20 - 0.80 mm |
| Speed | 350 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Paper Clip Chain MAP 30



High speed machine with Paper Clip Chain mechanism. Equipped with Induction motor, AC drive, Led lamp, Sturdy Metal stand, Forced Lubricating oil pump and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.40 - 0.80 mm |
| Speed | 200 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.5 kW |
| Dimensions | 480 x 508 x 1450 mm |
| Weight | 170 kg |



Double/Triple Curb/Cable Chain - MTD 30



High speed machine for Double/Triple curb /Cable chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.30 - 0.60 mm |
| Speed | 160 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Double Parallel Curb MTP 30



High speed machine for Double Parallel curb chain with pushing mechanism. Equipped with Induction motor, AC drive, Led lamp, sturdy stand, oil pump, air function and wire tensioner.

The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.20 - 0.80 mm |
| Speed | 300 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 152 kg |



Curb/Cable Chain (Large) MTL 30



Automatic Machine for thick wire curb/cable chains. Equipped with DC motor, DC drive, Led lamp, Sturdy stand, Oil pump. The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 0.80 - 2.00 mm |
| Speed | 160 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 285 kg |



Curb/Cable Chain (XL) MTX 30



Automatic Machine for thick wire curb/cable chains. Equipped with DC motor, DC drive, Led lamp, Sturdy stand, Oil pump. The machines comes fully installed with one size of tested carbide tooling.

Technical Specification

| | |
|-------------------|---------------------|
| Wire dimensions | 1.80 - 4.00 mm |
| Speed | 100 links |
| Lubrication | Forced lubrication |
| Power supply | 220V ~ 50Hz, 1ph |
| Power consumption | 0.7 kW |
| Dimensions | 580 x 580 x 1320 mm |
| Weight | 285 kg |



RZ6 Stocking Mesh Chain Machine (Automatic)

4/6/8/12/16 Needles

Automatic high speed machine for the production of stocking mesh chain with 4/6/8/12/16 needles.



Technical Specification

| | |
|-----------------------|---------------------|
| Wire diameter | 0.15 - 0.35 mm |
| Chain diameter | 3 - 7 mm |
| Production links/min | 250 |
| Meters /H | 2 max |
| Power | 0.55 kW |
| Voltage | 220V / 50-60Hz |
| Net weight | 190 kg |
| Gross weight | 280 kg |
| Dimension (L x W x H) | 780 x 750 x 1600 mm |
| Number of needles | 4/6/8/12/16 |



Hydraulic Auto Minting Press Auto Series-HEPA 100



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 100 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 16 - 18 per minute |
| Height table ram | 125 Mm |
| Bolster PL | 365 x 345 |
| Electric motor | 3 hp |
| Oil tank capacity | 60 l |
| Weight (approx.) | 1150 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 150



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 150 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 16 - 18 per minute |
| Height table ram | 125 Mm |
| Bolster PL | 415 x 415 |
| Electric motor | 5 hp |
| Oil tank capacity | 80 l |
| Weight (approx.) | 1720 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 200



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 200 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 15 - 15 per minute |
| Height table ram | 140 Mm |
| Bolster PL | 480 x 480 |
| Electric motor | 7 hp |
| Oil tank capacity | 100 l |
| Weight (approx.) | 1900 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 250



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 250 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 510 x 510 |
| Electric motor | 7 hp |
| Oil tank capacity | 150 l |
| Weight (approx.) | 2510 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 300



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 300 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 560 x 550 |
| Electric motor | 10 hp |
| Oil tank capacity | 200 l |
| Weight (approx.) | 3200 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 350



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 350 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 100 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 700 x 600 |
| Electric motor | 10 hp |
| Oil tank capacity | 200 l |
| Weight (approx.) | 3890 kg |

Hydraulic Auto Minting Press Auto Series-HEPA 450



Features

- * Auto embossing & ejecting system
- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 450 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 100 mm |
| Working speed (Stroke 50mm) | 12 - 13 per minute |
| Height table ram | 160 Mm |
| Bolster PL | 750 x 655 |
| Electric motor | 15 hp |
| Oil tank capacity | 250 l |
| Weight (approx.) | 4600 kg |

Hydraulic Manual Minting Press Manual Series-HEP 50



Features

- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 50 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 50 mm |
| Working speed (Stroke 50mm) | 16 - 18 per minute |
| Height table ram | 100 Mm |
| Bolster PL | 250 x 250 |
| Electric motor | 2 hp |
| Oil tank capacity | 40 l |
| Weight | 580 kg |

Hydraulic Manual Minting Press Manual Series-HEP 100



Features

- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 100 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 50 mm |
| Working speed (Stroke 50mm) | 16 - 18 per minute |
| Height table ram | 125 Mm |
| Bolster PL | 365 x 345 |
| Electric motor | 3 hp |
| Oil tank capacity | 60 l |
| Weight (approx.) | 980 kg |

Hydraulic Manual Minting Press Manual Series-HEP 150



Features

- * Electric operating PLC based control panel
- * Highest possible embossing forces
- * High stroke rate & faster production
- * Multiple stroke with variable forces and die lifting
- * Number of pieces embossed information display
- * Touch screen menu navigation
- * High/low-pressure system indicator
- * High guiding accuracy with best embossing result through high machine rigidity
- * Brilliant surface quality assure
- * Very good hydraulic efficiency
- * Well-proven, reliable, and long lasting

Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 150 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 50 mm |
| Working speed (Stroke 50mm) | 16 - 18 per minute |
| Height table ram | 125 Mm |
| Bolster PL | 415 x 415 |
| Electric motor | 5 hp |
| Oil tank capacity | 80 l |
| Weight (approx.) | 1440 kg |

Hydraulic Manual Minting Press Manual Series-HEP 200



Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 200 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 70 mm |
| Working speed (Stroke 50mm) | 15 - 15 per minute |
| Height table ram | 140 Mm |
| Bolster PL | 480 x 480 |
| Electric motor | 7 hp |
| Oil tank capacity | 100 l |
| Weight (approx.) | 1630 kg |

Hydraulic Manual Minting Press Manual Series-HEP 250



Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 250 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 510 x 510 |
| Electric motor | 7 hp |
| Oil tank capacity | 150 l |
| Weight (approx.) | 2250 kg |

Hydraulic Manual Minting Press Heavy Duty Series-HEP 300



Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 300 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 560 x 550 |
| Electric motor | 10 hp |
| Oil tank capacity | 200 l |
| Weight (approx.) | 2950 kg |

Hydraulic Manual Minting Press Heavy Duty Series-HEP 350



Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 350 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 80 mm |
| Working speed (Stroke 50mm) | 14 - 15 per minute |
| Height table ram | 150 Mm |
| Bolster PL | 700 x 600 |
| Electric motor | 10 hp |
| Oil tank capacity | 200 l |
| Weight (approx.) | 3600 kg |

Hydraulic Manual Minting Press Heavy Duty Series-HEP 450



Technical Specification

| | |
|-----------------------------|--------------------|
| Max working thrust | 450 tons |
| Max working pressure | 350 Bar |
| Useful stroke | 100 mm |
| Working speed (Stroke 50mm) | 12 - 13 per minute |
| Height table ram | 160 Mm |
| Bolster PL | 750 x 655 |
| Electric motor | 15 hp |
| Oil tank capacity | 250 l |
| Weight (approx.) | 4200 kg |

Dot Pin Marking Machine



Marking on materials from soft plastics to hard metals up to 60 HRC. High Speed Marking with operational reliability.

Automatically generates Serial numbers, Date, Time, Shift codes, QR Code, etc.

Marking geometrical shapes like square, circle, oval, rectangle.

Capable of marking customized logos & vector images. All system fonts are supported with special logo fonts.

Applications:

Gold & Silver Casted Bars, Name Plate, Automobile Components, Heavy Engineering, Pharmaceutical, Aero Space & Defence, Fabrication Engineering, Submersible Pumps & Motors Valve Bearings, Lock & Key and Many more.

Technical Specification

| | |
|--------------------|----------------------------|
| Marking area | 6"x4" (150x100 mm) |
| Pin material | Carbide |
| Air pressure | 5 to 6 Bar |
| Display | 7" touch controller system |
| Marking depth | Up to 0.6 mm |
| Maximum pin stroke | Up to 10 mm |
| Power supply | 240 V |
| Weight | 75 kg |

With compressor inbuilt



High Speed Die Cutting Machine - HSCP 3



Features:

- * Faster production rate
- * Counting system
- * Low level micron pressure setter
- * Easy stroke adjustment

Technical Specification

| | |
|----------------------|---------------------|
| Max working thrust | 3 tons |
| Max working pressure | 150 Bar |
| Useful stroke | 80 mm |
| Working speed | 80 - 150 per minute |
| Bolster PL | 255 x 350 |
| Electric motor | 1 hp |
| Oil tank capacity | 20 l |
| Weight (approx.) | 215 kg |

High Speed Die Cutting Machine - HSCP 5



Features:

- * Faster production rate
- * Counting system
- * Low level micron pressure setter
- * Easy stroke adjustment

| Technical Specification | |
|-------------------------|---------------------|
| Max working thrust | 5 tons |
| Max working pressure | 150 Bar |
| Useful stroke | 80 mm |
| Working speed | 80 - 150 per minute |
| Bolster PL | 400 x 300 |
| Electric motor | 2 hp |
| Oil tank capacity | 20 l |
| Weight (approx.) | 260 kg |

High Speed Die Cutting Machine - HSCP 25



- * Bangle sizing
- * Melted Gold & Silver ingot stamping
- * Hallmarking signs
- * Gold & Silver bar cutting
- * Silver paper impressions and sign
- * Pendants and etc.

Technical Specification

| | |
|----------------------|--------------------|
| Main electric motor | 2 hp |
| Max working thrust | 25 tons |
| Working speed stroke | 15 - 18 per minute |
| Max working pressure | 200 Bar |
| Weight | 320 kg |

Hydraulic Coin Blanking Machine - HCP 12



Features:

- * Ideal for Gold & Silver blank cutting
- * Hassle free Dual Mode Operation (Foot & Switch)
- * Stopper system for continuous cutting
- * Die fitting adjustment system with easy deposit drawer
- * Cutting adjustment for faster production

| Technical Specification | |
|-------------------------|--------------------|
| Max working thrust | 12 tons |
| Max working pressure | 200 Bar |
| Useful stroke | 75 mm |
| Working speed | 15 - 18 per minute |
| Oil tank capacity | 35 l |
| Cutting capacity | 950 hours |
| Electricity | 380/440 V |
| Weight | 475 kg |

Hydraulic Stamping Press Multi Purpose - HSP 10



Applications:

- * Bangle sizing
- * Melted Gold & Silver ingot stamping
- * Hallmarking signs
- * Gold bar cutting
- * Silver paper impressions & signs

Technical Specification

| | |
|----------------------|--------------------|
| Max working thrust | 10 tons |
| Max working pressure | 200 Bar |
| Useful stroke | 50 mm |
| Working speed stroke | 15 - 18 per minute |
| Bolster PL | 310 x 160 |
| Electric motor | 1.5 hp |
| Oil tank capacity | 5 l |
| Weight (approx.) | 120 kg |

Hydraulic Stamping Press Multi Purpose - HSP 25



Applications:

- * Bangle sizing
- * Melted Gold & Silver ingot stamping
- * Hallmarking signs
- * Gold bar cutting
- * Silver paper impressions & signs

Technical Specification

| | |
|----------------------|--------------------|
| Max working thrust | 25 tons |
| Max working pressure | 200 Bar |
| Useful stroke | 50 mm |
| Working speed stroke | 15 - 18 per minute |
| Bolster PL | 596 x 431 |
| Electric motor | 2 hp |
| Oil tank capacity | 20 l |
| Weight (approx.) | 320 kg |

Gold Wire Drawing Machine 4WD

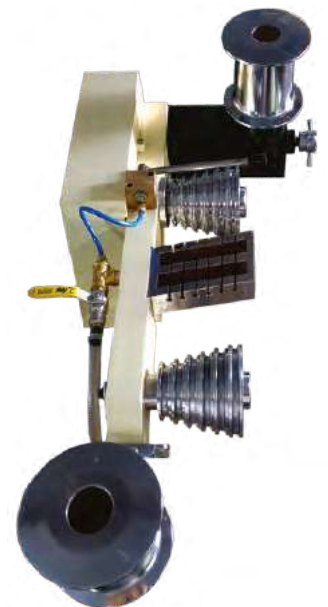


Features:

- * Transmission drive
- * Speed control drive
- * Cooling liquid tank and spray
- * Unwinding reel
- * Motorized winding reel with adjustable clutch

Technical Specification

| | |
|-------------------------------|---------------------|
| Main motor | 1.5 hp |
| Cooling motor | 0.25 hp |
| Max. Wire diameter (gauge/mm) | 20 / 0.91 |
| Min. Wire diameter (gauge/mm) | 36 / 0.91 |
| Weight | 255 kg |
| Dimensions (L x W x H) | 800 x 450 x 1020 mm |



Gold Wire Drawing Machine 6WD

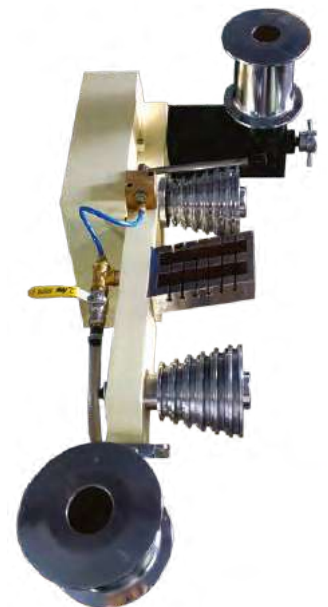


Features:

- * Transmission drive
- * Speed control drive
- * Cooling liquid tank and spray
- * Unwinding reel
- * Motorized winding reel with adjustable clutch

Technical Specification

| | |
|-------------------------------|----------------------|
| Main motor | 2 hp |
| Cooling motor | 0.25 hp |
| Max. Wire diameter (gauge/mm) | 18 / 1.22 |
| Min. Wire diameter (gauge/mm) | 36 / 0.91 |
| Weight | 345 kg |
| Dimensions (L x W x H) | 1100 x 630 x 1020 mm |



Gold Wire Drawing Machine - 12WD



- * Heavy Duty Sturdy metal frame that holds the motor.
- * Transmission Drive.
- * Speed Control Drive.
- * Cooling liquid tank and sprayer.
- * The unwinding reel.
- * The motorized Winding Reel with Adjustable Clutch.
- * Steel Platform for longer durability of Machine



Technical Specification

| | |
|-------------------------------|---------|
| Max. wire diameter (Guage/mm) | 10/1.29 |
| Min. wire diameter (Guage/mm) | 36/0.91 |
| Main motor | 3 hp |
| Cooling motor | 0.25 hp |
| Weight | 550 kg |



CXT-I Tunnel Belt Metal Bright Annealing Welding Furnace



The high quality furnace tube and ultra stable heating system are more suitable for the work of long period of time.

Tunnel annealing welding furnace suitable for welding of combined K gold and silver parts and chains.

The machine is featured with easily handled combination of machine body, excellent thermal insulation furnace and mechanical transmission performance for maintaining the stability of high-purity protection gas. Also equipped with a mixed gas purification device for producing nitrogen by ammonia decomposition.

The machine is suitable for bright annealing of various metals and stampings, solid solution processing, connection welding and lead welding

Technical Specification

| | |
|------------------|----------------------|
| Power supply | 380V, 3 phase |
| Power | 13 kW |
| Max. temperature | 950 °C |
| Working radius | 1000 mm |
| Working slot | 55 x 34 mm |
| Dimensions | 2700 x 600 x 1500 mm |

CXT-II Metal Bright Quenching Furnace - 300x200



The machine is featured with free oxidation, excellent heat treatment results, and long service life of the system

Featured with resistance heating, PID intelligent temperature control & 24-hour time switch, this machine is used for the heat treatment of jewelry, K gold jewelry, copper, silver, wires, and plate stamping parts.

Heat treatment under the action of protective gas, makes the surface of the workpiece highly bright without oxidation and coloring, eliminating stress and reaching commonly used standards.

The machine is equipped with a high-performance ammonia decomposition and hydrogen production system, which is a good assistant for oxidation-free heat treatment.

| Technical Specification | |
|-------------------------------|------------------------|
| Power supply | 380V, 3 phase |
| Power | 16 kW |
| Host frequency | 50/60 Hz |
| Hearth size | 300 x 200 x 850 mm |
| Ammonia decomposition furnace | 3M ammonia decomposer |
| Max. temperature | 950 °C |
| Dimensions | 1360 x 850 x 1290 mm |
| Use gas | Ammonia, Petroleum gas |

CXT-II Metal Bright Quenching Furnace - 250x150



The machine is featured with free oxidation, excellent heat treatment results, and long service life of the system

Featured with resistance heating, PID intelligent temperature control & 24-hour time switch, this machine is used for the heat treatment of jewelry, K gold jewelry, copper, silver, wires, and plate stamping parts.

Heat treatment under the action of protective gas, makes the surface of the workpiece highly bright without oxidation and coloring, eliminating stress and reaching commonly used standards.

The machine is equipped with a high-performance ammonia decomposition and hydrogen production system, which is a good assistant for oxidation-free heat treatment.

Technical Specification

| | |
|-------------------------------|------------------------|
| Power supply | 380V, 3 phase |
| Power | 16 kW |
| Host frequency | 50/60 Hz |
| Hearth size | 250 x 150 x 850 mm |
| Ammonia decomposition furnace | 3M ammonia decomposer |
| Max. temperature | 950 °C |
| Dimensions | 1360 x 850 x 1290 mm |
| Use gas | Ammonia, Petroleum gas |

CXT-II Metal Bright Quenching Furnace - 200x100



The machine is featured with free oxidation, excellent heat treatment results, and long service life of the system

Featured with resistance heating, PID intelligent temperature control & 24-hour time switch, this machine is used for the heat treatment of jewelry, K gold jewelry, copper, silver, wires, and plate stamping parts.

Heat treatment under the action of protective gas, makes the surface of the workpiece highly bright without oxidation and coloring, eliminating stress and reaching commonly used standards.

The machine is equipped with a high-performance ammonia decomposition and hydrogen production system, which is a good assistant for oxidation-free heat treatment.

| Technical Specification | |
|-------------------------------|------------------------|
| Power supply | 380V, 3 phase |
| Power | 13 kW |
| Host frequency | 50/60 Hz |
| Hearth size | 200 x 100 x 850 mm |
| Ammonia decomposition furnace | 3M ammonia decomposer |
| Max. temperature | 950 °C |
| Dimensions | 1360 x 850 x 1290 mm |
| Use gas | Ammonia, Petroleum gas |

CXM G1/P1

Gold Bullion & Gold Ingot Rapid Prototyping Machine



This machine can make pure gold plate, silver plate, gold ingot and silver ingot with different specification from 1 to 100 kg.

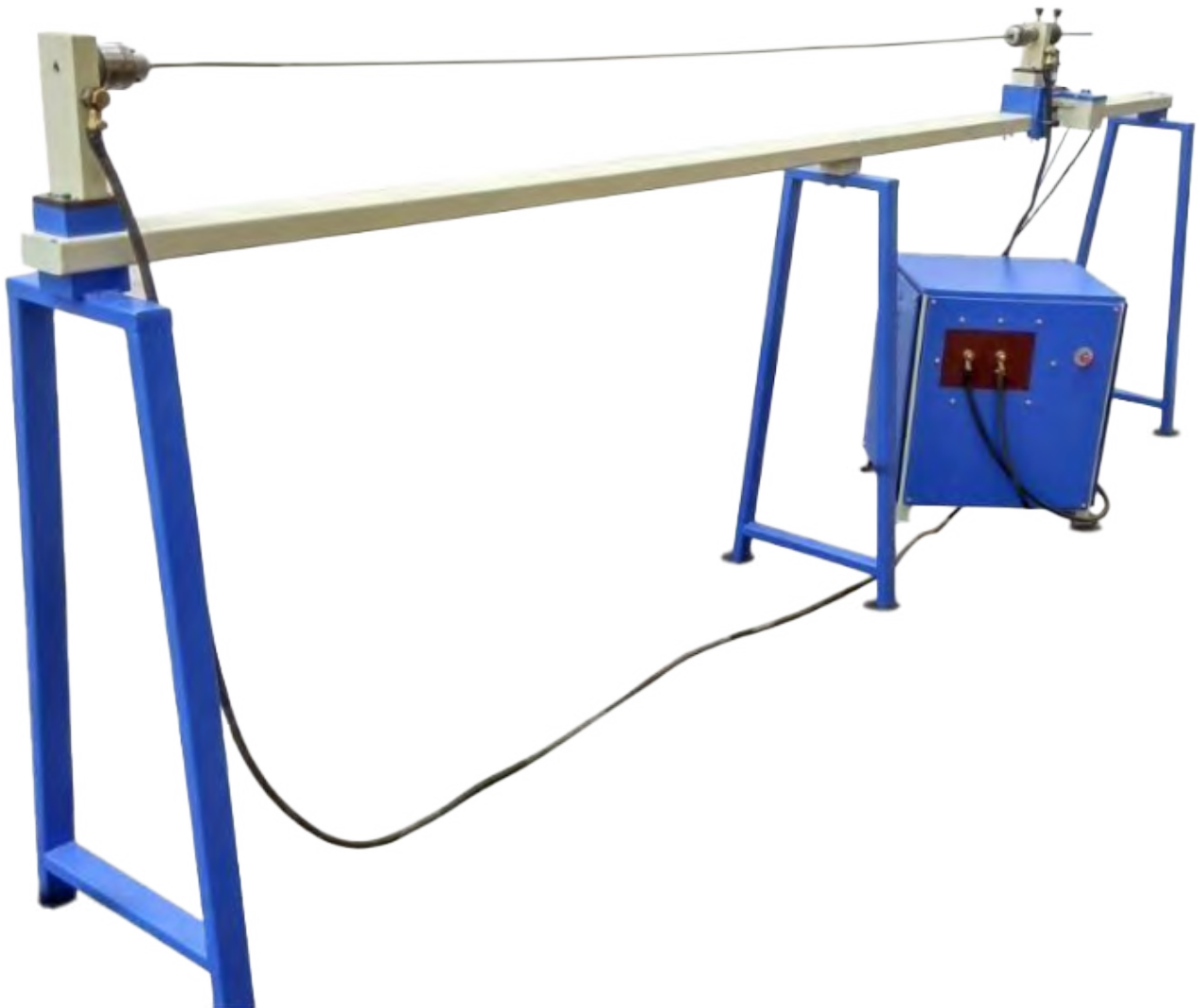
It is completely vacuum prototyping casting chamber. Crucibles are durable completely solving the problem of shrinkage, water wave and unevenness of gold plate.

The casting pieces made by this machine are even in surface without holes, oxidation and tinting.

| Technical Specification | |
|-------------------------|--|
| Power supply | 3 phase, 380V |
| Power | within 15 kW |
| Melting time | 6 - 9 minutes |
| Casting method | Once forming |
| Vacuum configuration | 30 l/s |
| Applied materials | Gold, platinum, porpezite and pure silver |
| Metal capacity | 1 kg - 5 kg |
| Applicable mold | Gold and silver plates, bars and ingots of national standard and self definition |
| Cooling water | Cooling water tank or cooling water machine |
| Dimensions | 750 x 700 x 1200 mm |

Optional 6P water cooler, 30L vacuum pump

Pipe Annealing Machine



Strip Rolling Mill Machine S/1/150G



Technical Specification

| | |
|-----------------|----------|
| Roller width | 150 mm |
| Roller diameter | 130 mm |
| Sheet max. | 19 - 0.7 |
| Roller speed | 40 |
| Max. thickness | 19 mm |
| Electric motor | 2 hp |
| Weight | 475 kg |



Strip Rolling Mill Machine S/1/200G



Technical Specification

| | |
|-----------------|----------|
| Roller width | 200 mm |
| Roller diameter | 130 mm |
| Sheet max. | 19 - 0.7 |
| Roller speed | 40 |
| Max. thickness | 19 mm |
| Electric motor | 3 hp |
| Weight | 520 kg |



Strip Rolling Mill Machine S/1/250G



Technical Specification

| | |
|-----------------|----------|
| Roller width | 250 mm |
| Roller diameter | 130 mm |
| Sheet max. | 19 - 0.7 |
| Roller speed | 40 |
| Max. thickness | 19 mm |
| Electric motor | 5 hp |
| Weight | 560 kg |



5x3 - S/2/125 - Royal Midas Gold Rolling Mill



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 125 mm |
| Roller diameter | 69 mm |
| Wire max. | 10 - 0.8 mm |
| Max. thickness | 15 - 0.2 mm |
| Roller speed | 30 rpm |
| Electric motor | 3 hp |
| Power supply | 3 phase |
| Weight | 260 kg |

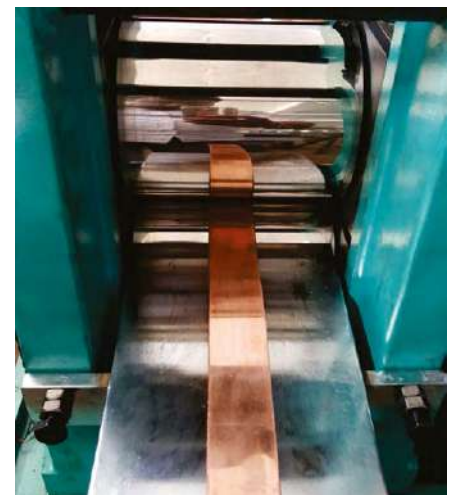


6x3 - S/2/150 - Royal Midas Gold Rolling Mill



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 150 mm |
| Roller diameter | 77 mm |
| Wire max. | 12 - 0.8 mm |
| Max. thickness | 12 - 0.8 mm |
| Roller speed | 30 rpm |
| Electric motor | 3 hp |
| Power supply | 3 phase |
| Weight | 455 kg |



6x4 - S/1/150 - Royal Midas Gold Rolling Mill



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 150 mm |
| Roller diameter | 100 mm |
| Wire max. | 15 - 0.8 mm |
| Max. thickness | 15 - 0.2 mm |
| Roller speed | 35 rpm |
| Electric motor | 3 hp |
| Power supply | 3 phase |
| Weight | 525 kg |



8x4 - S/2/200 - Royal Midas Gold Rolling Mill



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 200 mm |
| Roller diameter | 100 mm |
| Wire max. | 14 - 0.8 mm |
| Max. thickness | 14 - 0.8 mm |
| Roller speed | 30 rpm |
| Electric motor | 5 hp |
| Power supply | 3 phase |
| Weight | 855 kg |



8x4 - S/1/200 - Royal Midas Gold Rolling Mill



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 200 mm |
| Roller diameter | 100 mm |
| Wire max. | 15 - 0.8 mm |
| Max. thickness | 15 - 0.2 mm |
| Roller speed | 35 rpm |
| Electric motor | 5 hp |
| Power supply | 3 phase |
| Weight | 590 kg |



6x5 - S/1/150 - Active Midas Gold Rolling Mill (With Chiller)



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 150 mm |
| Roller diameter | 130 mm |
| Wire max. | 15 - 0.2 mm |
| Max. thickness | 15 mm |
| Roller speed | 30 rpm |
| Electric motor | 3 hp |
| Power supply | 3 phase |
| Weight | 525 kg |



8x5 - S/1/200 - Active Midas Gold Rolling Mill (With Chiller)



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 200 mm |
| Roller diameter | 130 mm |
| Wire max. | 15 - 0.2 mm |
| Max. thickness | 15 mm |
| Roller speed | 30 rpm |
| Electric motor | 3 hp |
| Power supply | 3 phase |
| Weight | 620 kg |



10x5 - S/1/250 - Active Midas Gold Rolling Mill (With Chiller)



Technical Specification

| | |
|-----------------|-------------|
| Roller width | 250 mm |
| Roller diameter | 130 mm |
| Wire max. | 15 - 0.2 mm |
| Max. thickness | 15 mm |
| Roller speed | 30 rpm |
| Electric motor | 5 hp |
| Power supply | 3 phase |
| Weight | 670 kg |



5.5P Precision Rolling Mill



Technical Specification

| | |
|-----------------------|--------------------------------|
| Motor | 4 kW |
| Voltage | 3 phase 380V |
| Roller speed | 9 m/min |
| Output thickness | 25 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø108 x 180 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1160 x 640 x 1370 mm |
| Weight | 630 kg |

7.5P Precision Rolling Mill



| Technical Specification | |
|-------------------------|--------------------------------|
| Motor | 5.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 7.4 m/min |
| Output thickness | 25 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø132 x 180 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1340 x 750 x 1420 mm |
| Weight | 800 kg |

7.5P Ultraprecision Numerical Control Rolling Mill (With Magnetic Power Clutch Coiler)



Technical Specification

| | |
|------------------------|--|
| Motor | 5.5 kW |
| Voltage | 3 phase 380V |
| Servo motor | 0.85 kW |
| Roller speed | 7.4 m/min |
| Output thickness | 25 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø132 x 180 mm |
| Lubrication system | Bearing bush grease lubricated |
| Magnetic powder coiler | 5kg: OPC-050, 10kg: OPC 100 (Optional) |
| Winding motor | 5kg: 1100W, 10kg: 2200W |
| Dimension (L x W x H) | 1420 x 1350 x 1600 mm |
| Weight | 1100 kg |

10P Precision Rolling Mill



Technical Specification

| | |
|-----------------------|--------------------------------|
| Motor | 7.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 8.5 m/min |
| Output thickness | 30 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø151 x 250 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1430 x 760 x 1500 mm |
| Weight | 1200 kg |

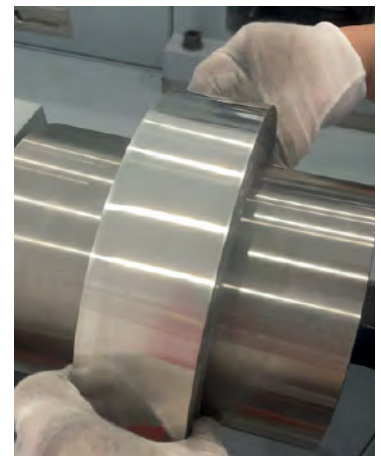


10P Ultraprecision Numerical Control Rolling Mill (With Magnetic Power Clutch Coiler)



Technical Specification

| | |
|------------------------|--|
| Motor | 7.5 kW |
| Voltage | 3 phase 380V |
| Servo motor | 0.85 kW |
| Roller speed | 8.5 m/min |
| Output thickness | 30 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø151 x 250 mm |
| Lubrication system | Bearing bush grease lubricated |
| Magnetic powder coiler | 5kg: OPC-050, 10kg: OPC 100 (Optional) |
| Winding motor | 5kg: 1100W, 10kg: 2200W |
| Dimension (L x W x H) | 1430 x 1350 x 1650 mm |
| Weight | 1800 kg |



15P Precision Rolling Mill



Technical Specification

| | |
|-----------------------|--------------------------------|
| Motor | 11 kW |
| Voltage | 3 phase 380V |
| Roller speed | 7.4 m/min |
| Output thickness | 30 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø180 x 250 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1530 x 840 x 1600 mm |
| Weight | 1700 kg |

15P Ultraprecision Numerical Control Rolling Mill



| Technical Specification | |
|-------------------------|--------------------------------|
| Motor | 11 kW |
| Voltage | 3 phase 380V |
| Servo motor | 1.3 kW |
| Roller speed | 7.4 m/min |
| Output thickness | 30 - 0.1 mm |
| Roller material | MC5 |
| Roller hardness | HRC 62-64 |
| Roller size | ø180 x 250 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1530 x 840 x 1750 mm |
| Weight | 1800 kg |

15P Four Roller Ultraprecision Numerical Control Rolling Mill



Technical Specification

| | |
|-----------------------|---|
| Motor | 11 kW |
| Voltage | 3 phase 380V |
| Servo motor | 1.3 kW |
| Roller speed | 20 m/min |
| Output thickness | 0.5 - 0.006 (60mm width copper strip) |
| Output tolerance | $\leq \pm 0.002$ mm |
| Working roller | DC53 $\phi 52 \times 200$ mm, HRC 60-63 |
| Supporting roller | Cr12MoV $\phi 200 \times 200$ mm, HRC 58-60 |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1570 x 1170 x 1820 mm |
| Weight | 2000 kg |

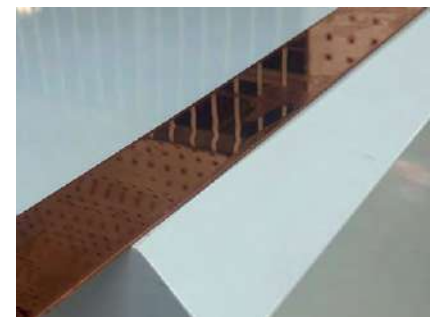


7.5P Double Head Strip & Wire Rolling Mill



Technical Specification

| | |
|-----------------------|--------------------------------|
| Motor | 5.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 18.3 m/min |
| Wire size | 20x20 - 1x1 mm (Hexagon) |
| Strip thickness | 1 - 20 mm |
| Roller material | Cr12MoV |
| Roller hardness | HRA 60-62 |
| Roller size | ø132 x 228 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1420 x 700 x 1430 mm |
| Weight | 1500 kg |

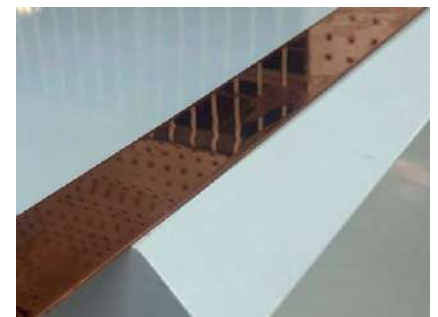


10P Double Head Strip & Wire Rolling Mill



Technical Specification

| | |
|-----------------------|--|
| Motor | 7.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 18.3 m/min |
| Wire size | 0.7 - 14 mm |
| Strip thickness | 1 - 20 mm |
| Roller material | Cr12MoV |
| Roller hardness | HRA 60-62 |
| Roller size | ø151 x 250 mm |
| Lubrication system | 4L Electric Gear Pump & Bearing Bush Grease Lubricated |
| Dimension (L x W x H) | 1600 x 770 x 1500 mm |
| Weight | 2200 kg |



4P Precision Tungsten Carbide Rolling Mill (With Torque Motor Coiler)



Technical Specification

| | |
|-----------------------|------------------------------------|
| Motor | 3 kW |
| Voltage | 3 phase 380V |
| Roller speed | 5.5 m/min |
| Output thickness | 5 - 0.1 mm |
| Roller material | Tungsten Carbide |
| Roller hardness | HRC 92-93 |
| Roller size | ø98 x 120 mm (Carbide length 90mm) |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 920 x 1020 x 1300 mm |
| Weight | 500 kg |

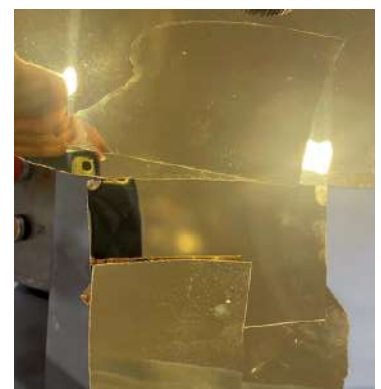


5.5P Precision Tungsten Carbide Rolling Mill (With Torque Motor Coiler)



Technical Specification

| | |
|-----------------------|--------------------------------------|
| Motor | 4 kW |
| Voltage | 3 phase 380V |
| Roller speed | 9.4 m/min |
| Output thickness | 20 - 0.1 mm |
| Roller material | Tungsten Carbide |
| Roller hardness | HRA 92-93 |
| Roller size | ø123 x 152 mm (Carbide length 120mm) |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1320 x 1160 x 1370 mm |
| Weight | 630 kg |

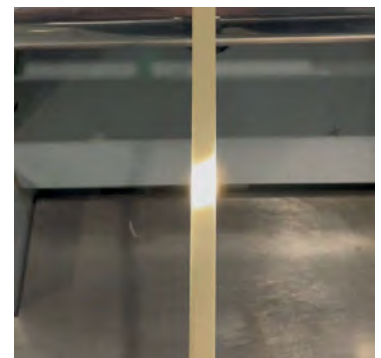


7.5P Precision Tungsten Carbide Rolling Mill (With Magnetic Power Clutch Coiler)



Technical Specification

| | |
|------------------------|--|
| Motor | 5.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 7.4 m/min |
| Output thickness | 25 - 0.1 mm |
| Roller material | Tungsten Carbide |
| Roller hardness | HRA 92-93 |
| Roller size | ø132 x 180 mm |
| Lubrication system | Bearing bush grease lubricated |
| Magnetic powder coiler | 5kg: OPC-050, 10kg: OPC 100 (Optional) |
| Winding motor | 5kg: 1100W, 10kg: 2200W |
| Dimension (L x W x H) | 1580 x 1350 x 1420 mm |
| Weight | 1100 kg |



7.5P Ultraprecision Numerical Tungsten Carbide Rolling Mill (With Magnetic Power Clutch Coiler)



Technical Specification

| | |
|------------------------|--|
| Motor | 5.5 kW |
| Voltage | 3 phase 380V |
| Servo motor | 0.85 kW |
| Roller speed | 7.4 m/min |
| Output thickness | 25 - 0.1 mm |
| Roller material | Tungsten Carbide |
| Roller hardness | HRA 92-93 |
| Roller size | ø132 x 180 mm |
| Lubrication system | Bearing bush grease lubricated |
| Magnetic powder coiler | 5kg: OPC-050, 10kg: OPC 100 (Optional) |
| Winding motor | 5kg: 1100W, 10kg: 2200W |
| Dimension (L x W x H) | 1420 x 1350 x 1600 mm |
| Weight | 1100 kg |

10P Precision Numerical Tungsten Carbide Rolling Mill



Technical Specification

| | |
|-----------------------|--------------------------------|
| Motor | 7.5 kW |
| Voltage | 3 phase 380V |
| Roller speed | 8.5 m/min |
| Servo motor | 0.85 kW |
| Output thickness | 30 - 0.1 mm |
| Roller material | Tungsten Carbide |
| Roller hardness | HRA 92-93 |
| Roller size | ø151 x 250 mm |
| Lubrication system | Bearing bush grease lubricated |
| Dimension (L x W x H) | 1430 x 760 x 1650 mm |
| Weight | 1300 kg |



Tube Core Loose Machine



Technical Specification

| | |
|-----------------------|--------------------|
| Motor | 0.37 kW |
| Voltage | 3 phase 380V |
| Dimension (L x W x H) | 700 x 500 x 955 mm |
| Weight | 150 kg |

2P Slitting Machine (With Torque Motor Coiler)



Technical Specification

| | |
|-------------------------|----------------------------------|
| Main motor | 1.5 kW, 380V |
| Coiler motor | 120 W |
| Slitting knife hardness | HRC 60 |
| Slitting knife material | Customized |
| Slitting thickness | 1 ~ 0.1 mm |
| Slitting width | ≤ 100mm (Customized) |
| Slitting speed | 0 ~ 20 r/min (Frequency control) |
| Dimension (L x W x H) | 1360 x 770 x 1200 mm |
| Weight | 300 kg |

Sheet Sheer Machine



Technical Specification

| | |
|------------------------|----------------------|
| Sheet thickness | 0.20 to 1.00 mm |
| Width range | 4 - 100 mm |
| Voltage | 380 V |
| Power | 750 W |
| Dimensions (L x W x H) | 1360 x 770 x 1200 mm |
| Included 5 set blade | |

12 Dies Wire Drawing Machine

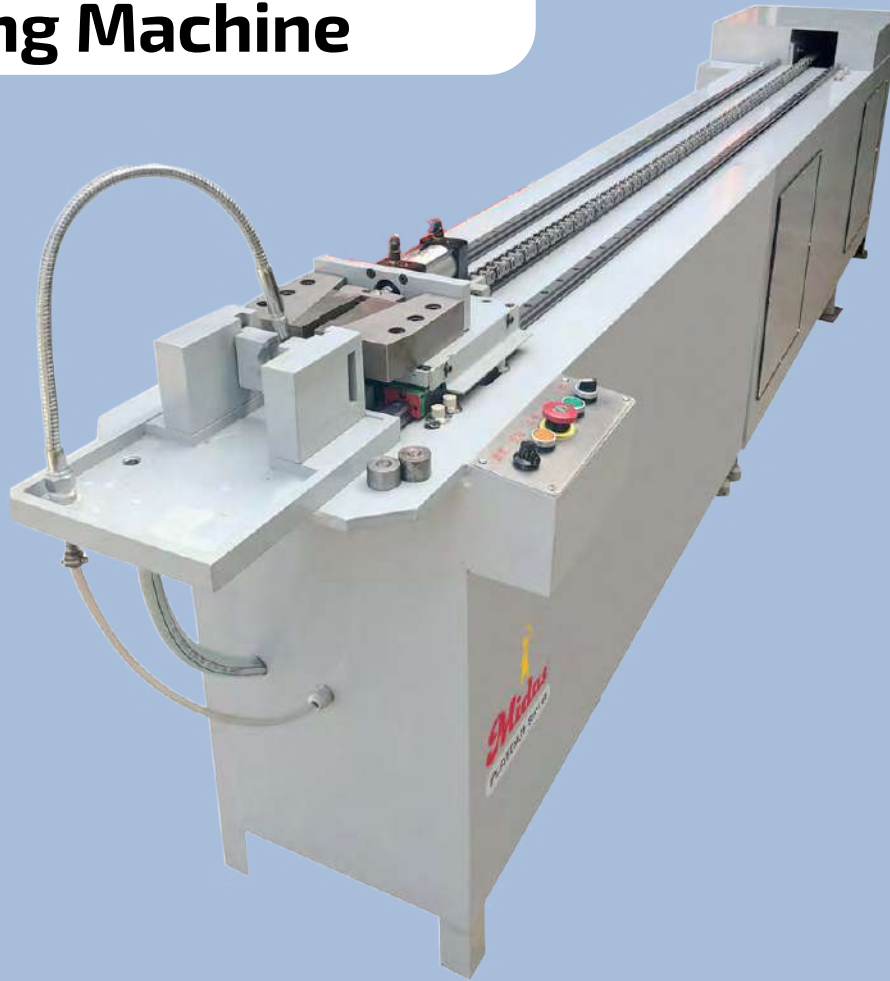


Technical Specification

| | |
|-----------------------|----------------------|
| Motor | 4 kW |
| Voltage | 3 phase 380V |
| Drawing speed | 89 m/min |
| Wire size | 1.5 - 0.2 mm |
| Drawing cone material | Cr12Mov |
| Drawing cone hardness | HRC 60-62 |
| Dimension (L x W x H) | 1700 x 780 x 1360 mm |
| Weight | 550 kg |



3.8M Pneumatic Tube Drawing Machine



Technical Specification

| | |
|-----------------------|---------------------|
| Motor | 4 kW |
| Voltage | 3 phase 380V |
| Effective distance | 2.1 m |
| Tube drawing size | ≤ 13 mm |
| Wire drawing size | ≤ 10mm |
| Drawing speed | 9 m/min |
| Electric cooling pump | 3phase 380V 60W |
| Dimension (L x W x H) | 3850 x 580 x 980 mm |
| Weight | 1100 kg |



Hydraumatic Tube Drawing Machine



Technical Specification

| | |
|-----------------------|-----------------------------------|
| Motor | 7.5 kW |
| Voltage | 3 phase 380V |
| Effective distance | 1.5 m |
| Tube drawing size | ≤ 30 mm (K gold, 0.25mm per draw) |
| Wire drawing size | ≤ 30mm (K gold, 0.15mm per draw) |
| Drawing speed | 0.5 m/min |
| Electric cooling pump | 3phase 380V 60W |
| Hydraulic Station | 1.5 kW |
| Dimension (L x W x H) | 2800 x 850 x 1200 mm |
| Weight | 700 kg |



Single Head Tube Welding Machine



Technical Specification

| | |
|-----------------------|----------------------|
| Motor | 1.5 kW |
| Voltage | 3 phase 380V |
| Tube die size | ∅ 4 - 11.5 |
| Tube die amount | Customized 1 set |
| Tube die hardness | HRC 52 |
| Die Speed | 17 r/min |
| Argon welder | 220V - 200A - 1 set |
| Dimension (L x W x H) | 1230 x 510 x 1160 mm |
| Weight | 400 kg |

Single Head Large Tube Welding Machine



Technical Specification

| | |
|-----------------------|----------------------|
| Motor | 1.5 kW |
| Voltage | 3 phase 380V |
| Tube die size | ø 14 mm |
| Tube die amount | Customized 1 set |
| Tube die hardness | HRC 52 |
| Die Speed | 17 r/min |
| Argon welder | 220V - 200A - 1 set |
| Dimension (L x W x H) | 1230 x 510 x 1160 mm |
| Weight | 400 kg |

Double Head Tube Welding Machine



| Technical Specification | |
|-------------------------|----------------------|
| Motor | 1.5 kW |
| Voltage | 3 phase 380V |
| Tube die size | ∅ 4 - 11.5 |
| Tube die amount | Customized 2 set |
| Tube die hardness | HRC 52 |
| Die Speed | 17 r/min |
| Argon welder | 220V - 200A - 2 set |
| Dimension (L x W x H) | 1500 x 746 x 1650 mm |
| Weight | 600 kg |

Small Size Bead Making Machine



Technical Specification

| | |
|-----------------------|---------------------|
| Motor | 3 kW |
| Voltage | 3 phase 380V |
| Bead diameter | ø 2 - 6 mm |
| Bead making speed | 3400 beads/hour |
| Dimension (L x W x H) | 650 x 600 x 1230 mm |
| Weight | 600 kg |

Large Size Bead Making Machine



Technical Specification

| | |
|-----------------------|---------------------|
| Motor | 3 kW |
| Voltage | 3 phase 380V |
| Bead diameter | ø 6 - 14 mm |
| Bead making speed | 3400 beads/hour |
| Dimension (L x W x H) | 650 x 600 x 1230 mm |
| Weight | 600 kg |



Bead Polishing Machine



Technical Specification

| | |
|-----------------------|--------------------|
| Motor | 1.5 kW |
| Voltage | 3 phase 380V |
| Bead size | Customized |
| Dimension (L x W x H) | 620 x 420 x 890 mm |
| Weight | 200 kg |



Tube Necking Machine



Technical Specification

| | |
|-----------------------|-----------------------|
| Motor | 3 kW |
| Voltage | 3 phase, 380V |
| Max. Diameter | ø 12 mm |
| Min. Diameter | ø 2 mm |
| Necking ratio | ≤ 50% |
| Die material | D2 HRC60-62 |
| Die length | 100 mm |
| Lubricating system | 3 phase electric pump |
| Dimension (L x W x H) | 730 x 480 x 1050 mm |
| Weight | 350 kg |





Jewellery Tools | Machinery | Packaging | Display

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