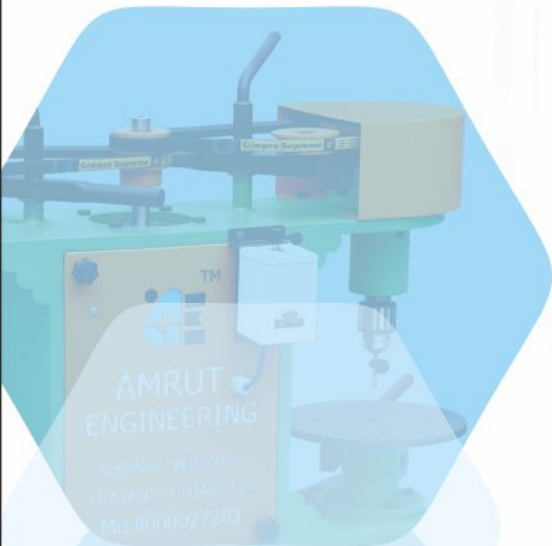




AMRUT ENGINEERING



A quality products

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Decoiler



Straightener



Loading

➔ Decoiler With Straightener Machine

Product Description:

A Decoiler machine is a piece of equipment used in various manufacturing processes, particularly in metalworking and coil processing industries. Its primary function is to unwind or uncoil metal coils, typically made of materials like steel, aluminum, or other metals. These coils are often delivered in a tightly wound form, and the Decoiler machine is used to smoothly feed the material into subsequent processing machinery, such as stamping presses, roll forming machines, or other production lines. Customized various sizes and configurations to accommodate different coil sizes and materials. They play a crucial role in ensuring a continuous and efficient production process in industries where coiled materials are a common input.

Feature:

- Integrated straightening mechanisms to flatten the metal strip, especially if the material is in coiled form.
- Systems for guiding the material as it unwinds, helping to maintain proper alignment and prevent miss feeding.
- Adjustable speed controls allow operators to set the feeding speed according to the requirements of the downstream processes.
- All rollers are made of bearing steel, have all been quenched, harden with minimum HRC60.
- Constructed with highly rigid structure and designed with a powerful motorized feeder.
- Integrated manual systems for loading new coils into the machine through chain pulley block.
- Decoilers are equipped with safety features to ensure the protection of operators and prevent accidents during the feeding and unwinding process.

Technical Specification :

Model	ADS						
Coil Max. Width (mm)	100	200	300	400	500	800	1000
Coil Max. Coil (Ton)	1	1	1	1.5	1.5	2	3
Coil ID (mm)	450 - 560						
Coil OD (mm)	1200						
Thickness (mm)	0.05 - 4						
Type	Motorized						



Guide Roller



Pressure Knob



Slope Roller

➔ NC Servo Feeder Machine:

Product Description:

The advent of servo feeder technology has brought about a paradigm shift in feeding mechanisms. These machines offer unparalleled advantages, including enhanced speed, accuracy, and the ability to customize feeding patterns based on specific production requirements. Short set up time and high production performance. It can be fitted to any machines like press machine or Laser cut machine for accurate feeding.

Feature:

- Control panel to designed feed length, count & speed function key for quickly setting. Feed length from 1mm to 9999mm.
- Programmable feeding function to provide different feeding length.
- Desk type control panel with the slant top, 7" touch screen panel, ergonomic and comfortable operated design.
- Special 5 rollers designed for best accuracy feeding in place of 2 rollers.
- All rollers are made of bearing steel, harden with minimum HRC60.
- Cost effective machine design that no needs extra pressurized air for servo rollers, integrated mechanical pressurized system for servo feeder rollers.
- High productivity at low cost.

Technical Specification :

Model	Max. Width (mm)	Max. Pitch Length (mm)	Max. Material Thickness (mm)	Average Working Speed (Mt/Min)
ASF-100	100	9999.99	3	20
ASF-200	200	9999.99	3	20
ASF-300	300	9999.99	3	20
ASF-400	400	9999.99	3	20
ASF-500	500	9999.99	3	20
ASF-600	600	9999.99	3	20
ASF-800	800	9999.99	3	20
ASF-1000	1000	9999.99	3	20



Four Head Metal Polishing Machine



Polishing



Grinding

Multi Head Metal Polishing Machine

Product description :

Metal polishing machine is appreciated for compact and rigid design and fast polishing feature. Fabricated using quality component, the machine effectively polishes and grinds square tube, square bar, flat component, stamping part, fine blanked parts etc. Metal polishing Machines are designed for mass production by Abrasive Belt Flat parts and surfaces. This is a semi-Automatic Machine available in single and multiple head configuration as per job requirement. Precision height adjustment by calibrated Hand wheel provided at front. Our ranges of polishing machines are available in standard Four Head Metal Polishing Machine, Two Head Polishing Machine and customized form according to the client's specification.

Feature :

- Adjustable sliding system with easy setting for perfect accuracy.
- Vibration free structure design for perfect finishing.
- Electric control with overload protected and dust proof.
- Conveyor belt with fine adjustment.
- High productivity at low cost.



Two Head Metal Polishing Machine

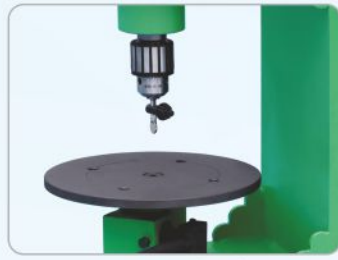
Technical Specification :

Abrasive Belt Length	2000mm
Abrasive Belt Width	50mm to 150mm
Rubber Contact Wheel Size	200mm x 50mm to 150mm
Main Motor	3HP / 5HP / 7.5HP (2800 RPM)
Gear Motor	1HP (1440 RPM)
Gear Box Ratio	30:1 for better control speed
Conveyor Belt Length	Customized

➔ Twin Head Counter Drill Machine



Belt Adjustment



Counter Chuck

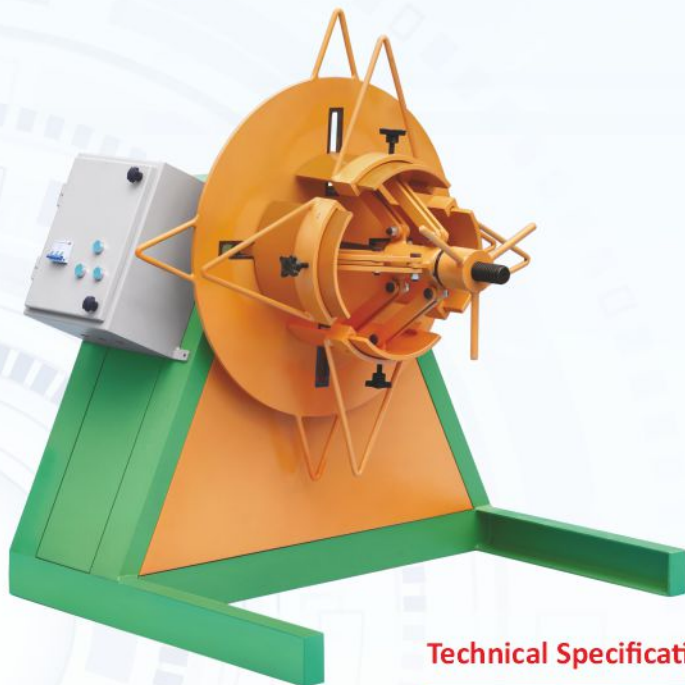
Product description:

Twin head machine design with single motor operated. For counter depth, mechanical stopper designed for accuracy of counter depth. Counter drilling machine is used for door hinges hole counter, door magnate hole counter and many types of hardware item counter process.

Feature:

- Twin head design for high productivity at low cost.
- Adjustable pulley V-belt
- Mild steel body constructed with high rigid structure.

Main Motor	1.5HP (1440RPM)
Working Head	2 Nos.
Drill Chuck	2 Nos.
Machine On/Off Control Switch.	



➔ Decoiler Machine



Control Panel



Decoiler

Technical Specification :

Model	ADS					
Coil Max. Width (mm)	100	300	400	500	800	1000
Coil Weight Max. (Kg.)	300	600	900	2000	2000	3000/5000
Coil ID (mm)	450 - 560					
Coil OD (mm)	1200					
Type	Motorized					



Heavy Drilling



Control Panel

➔ Hydraulic Drilling Machine

Product Description:

The Hydraulic drilling machine is a versatile machine designed for drilling in a variety of materials, including Mild Steel (MS) and Stainless Steel (SS) grades. Its primary advantages lie in its ability to achieve fast drilling processes with effective tooling costs. The machine employs linear speed control, which not only enhances accuracy but also contributes to increased production efficiency. The key feature of this drilling machine is its Programmable (PLC) system, which allows for precise control and automation of the drilling process. The linear speed control mechanism plays a crucial role in reducing overall tooling costs. By optimizing the drilling speed based on the material being drilled, the machine minimizes wear and tear on tools, prolonging their lifespan and decreasing the need for frequent re-grinding and replacements of tool. This cost-effective approach enhances the economic viability of the drilling process.

Feature:

- Automatic drilling with drilling speed adjustment and rapid approach and rapid return speed.
- High speed drilling process at low tooling cost.
- Easy drilling length setting with linear scale or proximity sensor.
- Designed with complete ducting and water cooling system.
- Standard Hydraulic power pack and Cylinder.
- High productivity at low cost.
- Constructed with highly rigid structure to deliver best product.

Technical Specification :

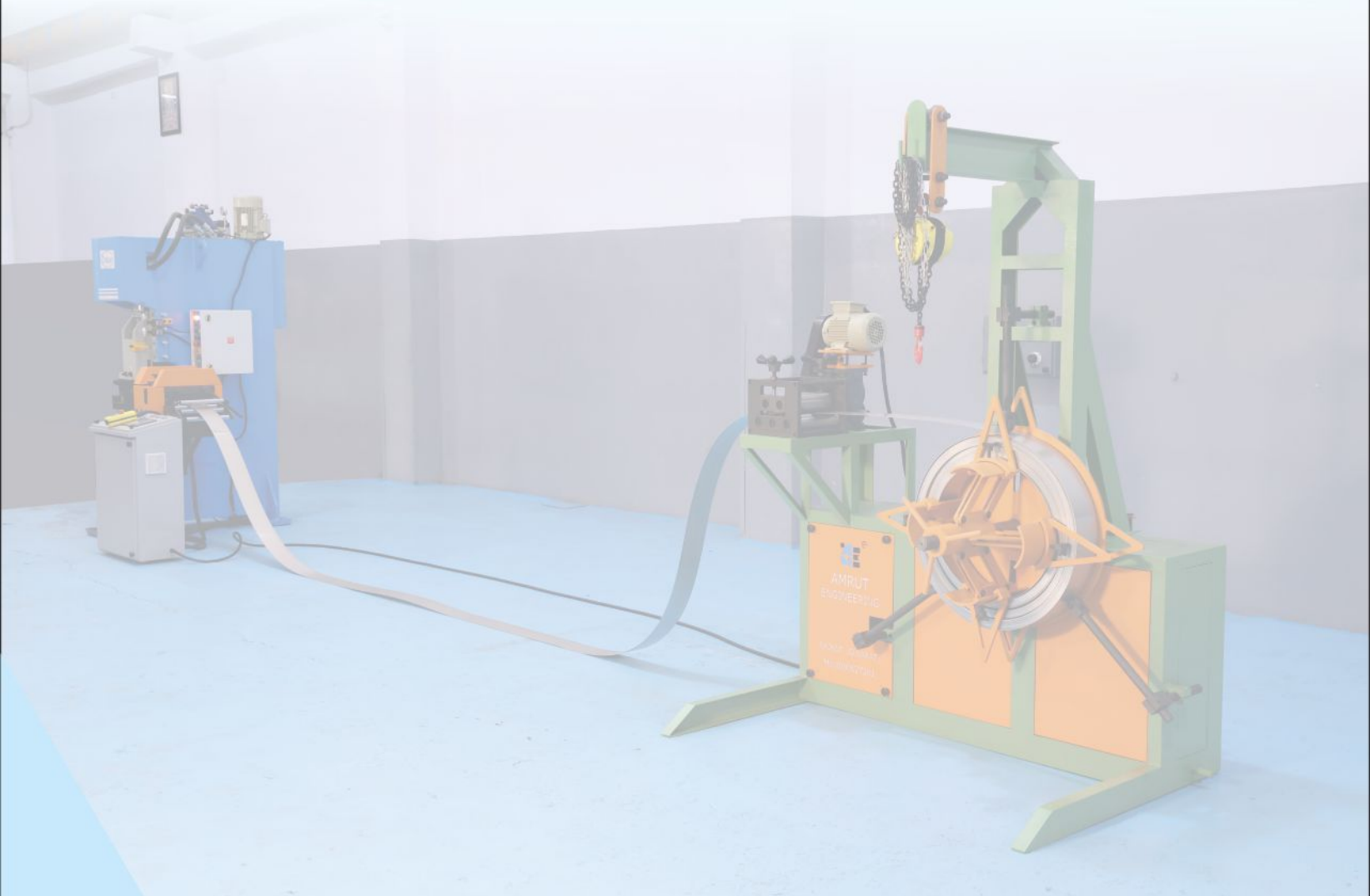
Model	AHD-5.5	ADH-7.5	ADH-10
Drilling Length Stroke	250mm Max.	400mm Max.	500mm Max.
Drilling Size	50mm Max.	100mm Max.	100mm Max.
Moras Taper Spindle Size	MT5	MT5	MT5
Main Motor	7.5 HP	10 HP	10 HP
Hydraulic Power Pack Motor	2 HP	2 HP	2 HP
Hydraulic Oil Tank Capacity	100Ltr.	120Ltr.	120Ltr.
Coolant Pump	100Ltr/Min.	100Ltr/Min.	100Ltr/Min.
Cooling Water Tank Capacity	100Ltr.	100Ltr.	100Ltr.



➔ Company Profile

Founded in the year of 2014 at Rajkot, Gujarat, India. **Amrut Engineering** began its journey with a clear vision. The founders, Chintan Khunt and Sumit Khunt, aimed not just to create machines but to craft solutions that would set new standards in the industry. Their visionary goals laid the foundation for what would become a name synonymous with excellence. We specialize in a diverse range of products, including Press Automation Machines, Decoiler Machines, Straightener Machines, Multi-Head Polishing Machines, Counter Drill Machines, Hardware Making Machines, Heavy Duty Hydraulic Drilling Machines, Hydraulic Press Machines, Special Purpose Machine (SPM) etc. Our products are available in different dimensions, sizes and shapes according to the specific requirements of our esteemed customers.

At the heart of our success is a team of dedicated professionals who bring a wealth of experience and expertise to every project. From concept to execution, our skilled engineers and technicians work seamlessly to ensure that each machine is a testament to quality craftsmanship. Our state-of-the-art manufacturing facility in Rajkot is equipped with the latest technology, allowing us to stay ahead of the curve in an ever-evolving industry. We specialize in a diverse range of industrial machines, catering to the unique needs of our clients across various sectors. These products are highly demanded in the market due to their consistent performance, less maintenance, easy installation and longer service life. These products are designed and fabricated using high grade components and latest technology in conformity with quality standards. Further, the components and material, we use to design these products are sourced from reliable and certified vendors of the market.



➔ Our Product Range



Decoiler With Straightener Machine



NC Servo Feeder Machine:



Four Head Metal Polishing Machine



Two Head Metal Polishing Machine



Twin Head Counter Drill Machine



Decoiler Machine



Hydraulic Drilling Machine



Rubber Contact Wheel

AMRUT ENGINEERING

Mfg. of Press Automation Machinery, Hardware Making Machinery, Hydraulic Machinery & SPM.

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