



WELCOME TO

# BALA PRITAM ENGINEERING WORKS

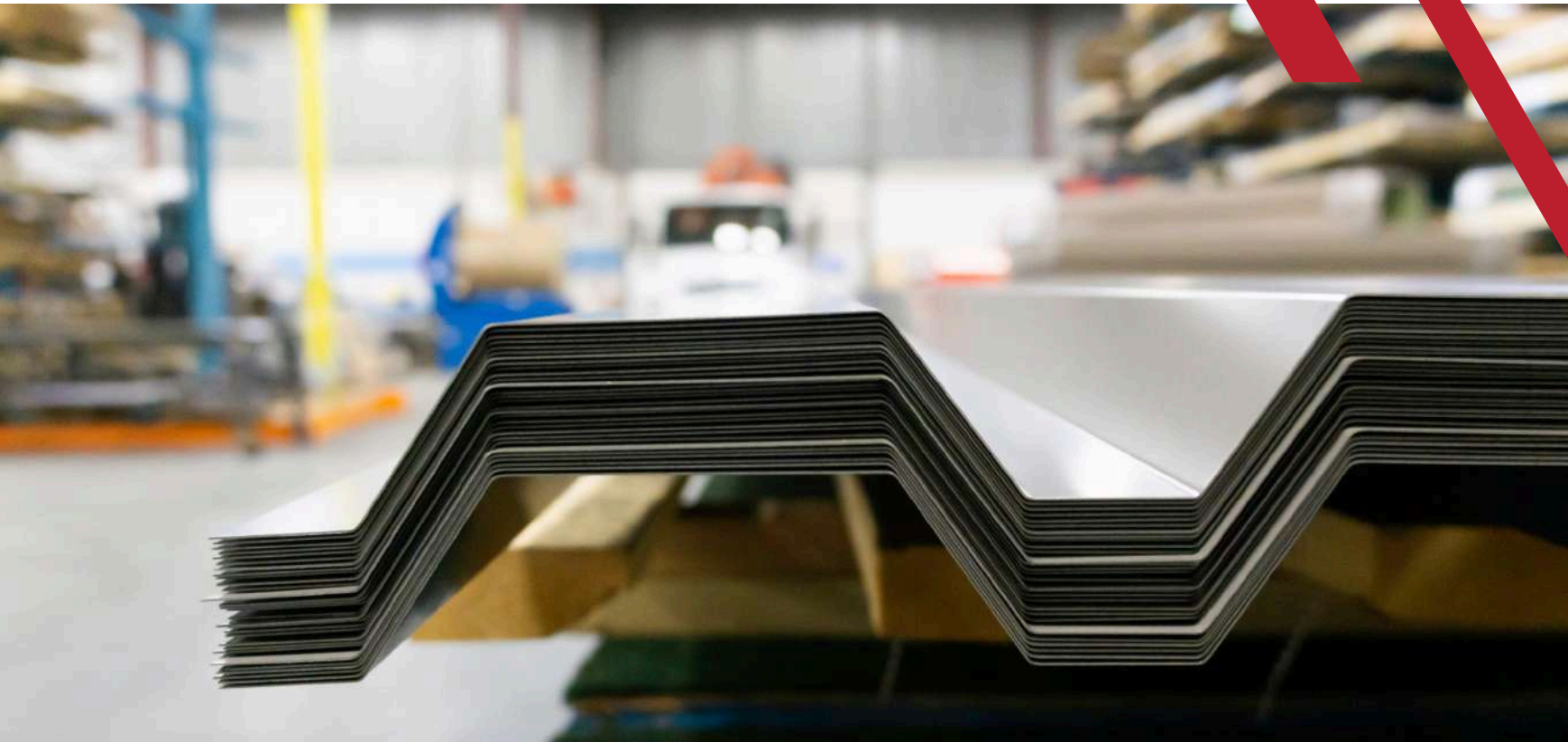
Leading industry innovator with a rich  
history of excellence.



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**Add:-** Plot No. 17, New GBL Convent School, Dauba Pali Road, Faridabad, Haryana, India



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**Established in 2020, Bala Pritam Engineering Works** is where innovation meets precision in the world of roll forming machinery. With a legacy of excellence spanning over **4 years**, we have established ourselves as pioneers in designing, manufacturing, and delivering high-performance roll forming solutions to meet the evolving needs of various industries worldwide.

At Bala Pritam Engineering Works, we are driven by a passion for engineering excellence and a commitment to customer satisfaction. Our state-of-the-art facilities and team of seasoned professionals enable us to deliver cutting-edge roll forming machines that exceed industry standards in quality, efficiency, and reliability.

With More than 1500+ units in Operation Globally, Our Dedication to Quality is obvious. We are, well-known for our Exceptional Quality and Knowledge, We Create Benchmarks in the Industry by offering Premium Roll Forming Machine Customized to meet the Demands of Diverse Industries. Our history demonstrates our unwavering commitment to providing Best Roll Forming Products and services.

What sets us apart? It's our relentless commitment to quality, innovation, and customer satisfaction. Every machine bearing our name is a testament to our dedication to excellence. From concept to creation, our team of engineers works tirelessly to design robust, customizable solutions tailored to your unique requirements.

But our commitment doesn't end with the sale. We believe in building lasting partnerships with our clients, offering comprehensive support and service throughout the lifecycle of your machine. Whether you're a small-scale operation or a global manufacturing powerhouse, we're here to ensure your success every step of the way.

Beyond business, we're driven by a passion for progress. As stewards of sustainability, we're constantly exploring new ways to minimize environmental impact without compromising performance. From energy-efficient designs to waste reduction initiatives, we're committed to building a brighter, greener future for generations to come.







## Vision

Our vision is to revolutionize the landscape of construction and manufacturing by offering innovative and sustainable solutions that empower our customers to build a better world. We aspire to be the preferred choice for CZ purlin, coil cars, crimping and shearing, cut to length, decoilers, metal deck profile, hi rib profile, panel 150f, press brake, ridge profile, shutter patti, slitting and shearing, stacker, standing seam, tailing profile, truck container body, and related products, recognized globally for our commitment to quality, integrity, and customer satisfaction.



## Mission

To be a leading provider of high-quality solutions for the construction and manufacturing industries, delivering excellence in products and services that exceed customer expectations. We aim to innovate continuously, utilizing cutting-edge technology and industry expertise to enhance efficiency, reliability, and sustainability in every aspect of our operations.



## Value

We prioritize excellence in everything we do, driven by a commitment to quality and innovation. Integrity guides our actions, fostering trust and transparency in all relationships. Customer satisfaction is our priority, achieved through attentive listening and exceeding expectations. Collaboration fuels our success, leveraging the collective talents of our team and partners. Sustainability is our responsibility, as we strive to minimize our environmental impact and positively contribute to our communities.

## Our Products Range

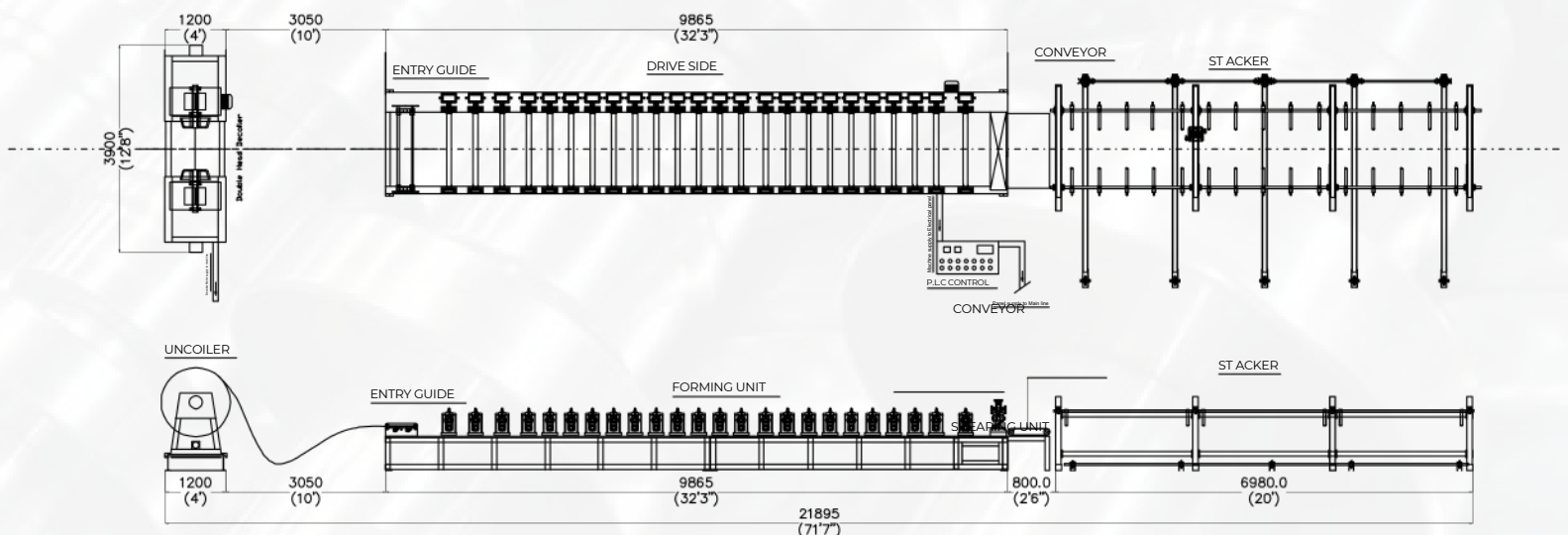
- Hi Rib Profile
- Crimping and Shearing
- C, Z & U Purline Roll Forming Machine
- Decoilers
- Metal Deck Profile
- Coil Cars
- Cut to Length
- Downtake Pipe
- Panel 150F
- Press Break
- Ridge Profile
- Shutter Patti
- Slitting and Shearing
- Stacker
- Standing Seam
- Tailing Profile
- Truck Container Body

## Hi Rib Profile

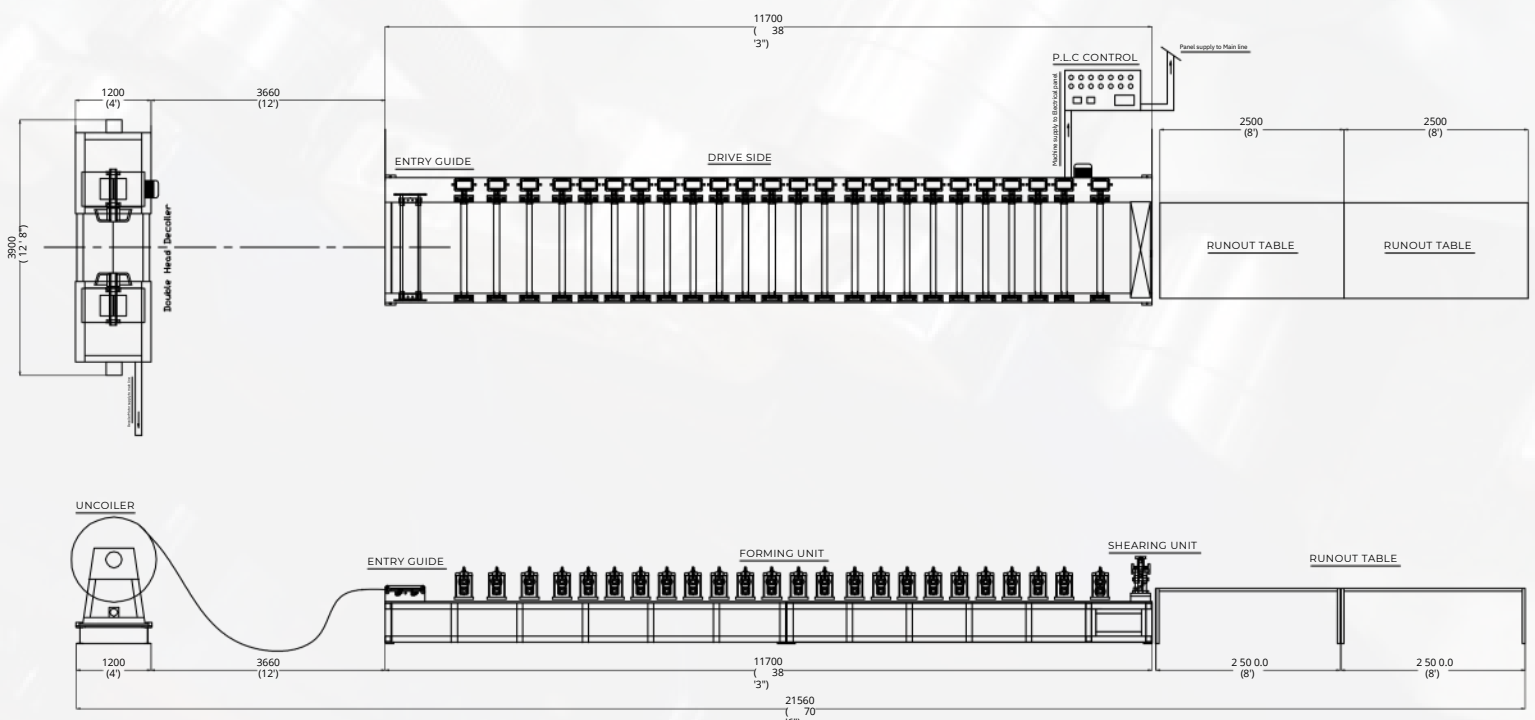


We are highly trusted among clients for manufacturing and supplying excellent grade Hi Rib Profile Sheets. The sheets are extensively used in designing prefabricated structures for production and manufacturing units. We offer these Hi Rib Profile Sheets to clients in all possible colors to fulfill their individual requirements. We are offering Hi Rib in very nominal prices that is durable, strong and thermal efficient. It comes in wide variety of colours, finish and material.

### HI RIB 1220 LAYOUT WITH STACKER



### HI RIB 1450mm LAYOUT BB



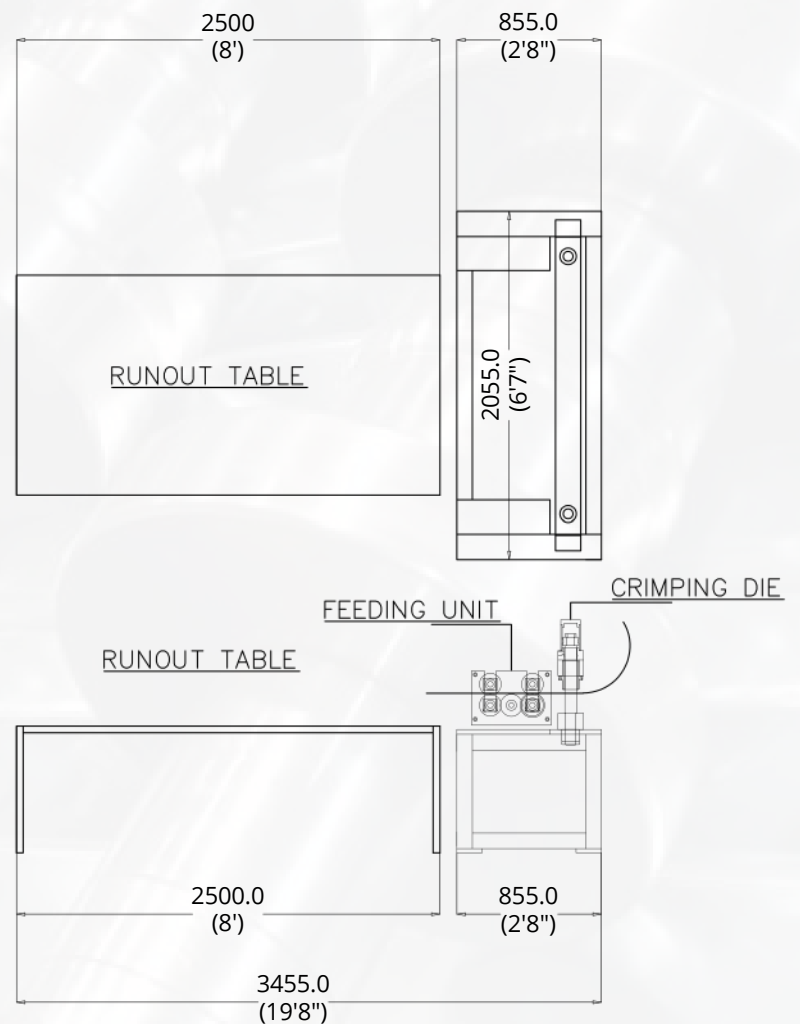


## Crimping and Shearing

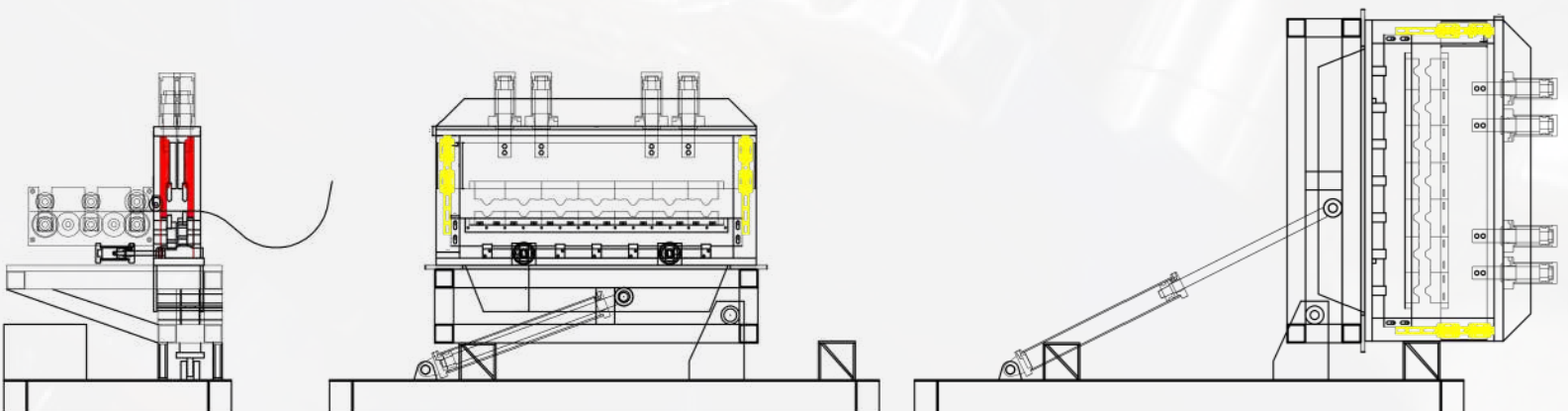


Crimping and shearing are both mechanical processes commonly used in manufacturing and metalworking. Crimping involves deforming a material, usually metal, by bending or folding it to create a desired shape or connection. This process is often used in industries such as automotive, aerospace, and electrical engineering for joining wires, tubes, or sheet metal together securely. Crimping is favored for its speed, reliability, and cost-effectiveness compared to traditional welding or soldering methods.

### CRIMPING MACHINE



### CRIMPING VERTICAL AND HORIZONTAL

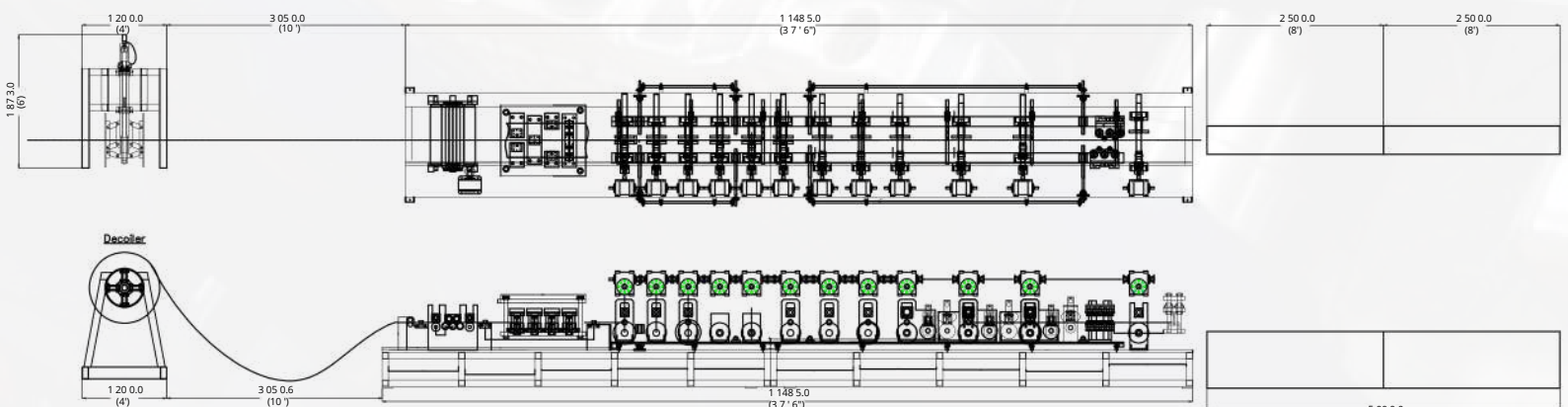


## C, Z & U Purlin Roll Forming Machine



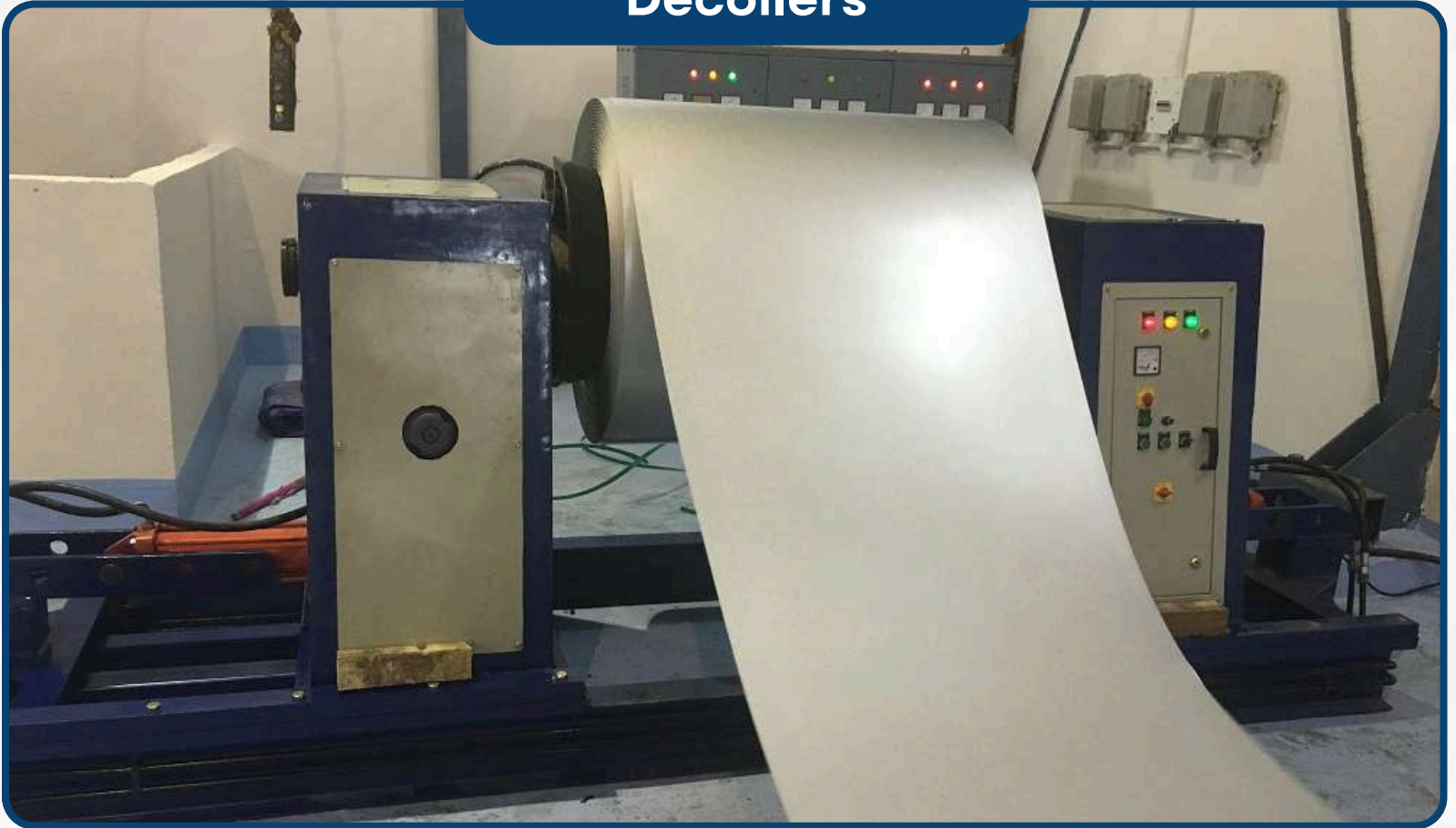
Purlin roll forming machine is the most popular and has an extensive use in Metal Building Systems, Huge Roofing Solutions, Construction and Renovation Projects etc. Our Purlin roll forming machine could produce C purlin, U purlin, Z purlin, machineable size range as follow: Width:100-300mm, Height: 50-100mm, Thickness:1.5-3mm. According to your section profile, size range, thickness range we could provide you different solutions of purlin roll forming machine to manufacturer a complete range of structural purlins (height and width change using automatic system by motors): If you only need to produce few sizes, we also suggest manually change sleeves, it's more affordable.

### C&Z PURLIN





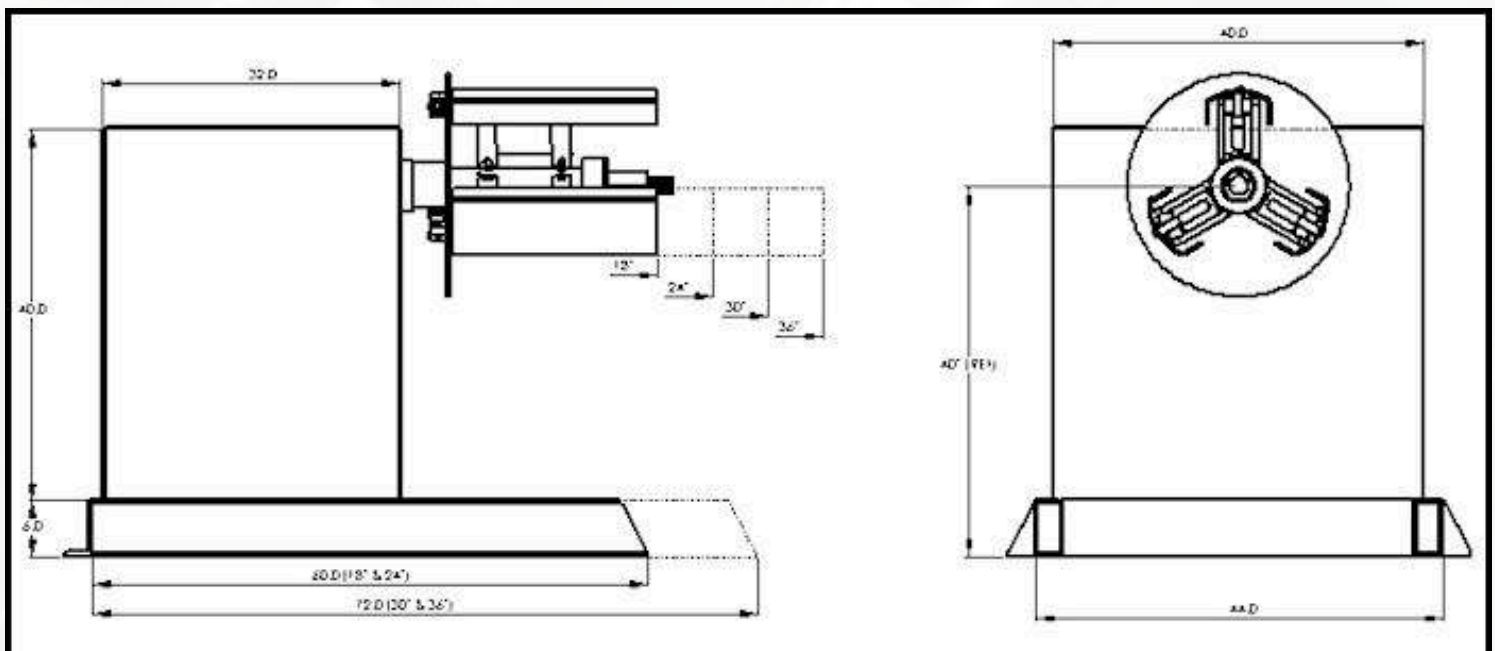
## Decoilers



Sheet metal decoilers are critical pieces of equipment in the metalworking industry, enabling the safe and efficient handling of large and heavy sheets of metal. This article will delve into everything you need to know about sheet metal decoilers, including their purpose, functionality, and factors to consider when purchasing one.

### What is a Sheet Metal Decoiler?

A sheet metal decoiler, also known as a metal uncoiler or decoiler, is a machine used to unwind and unroll coils of sheet metal. It is commonly used in the metalworking industry to feed sheet metal into other machines, such as stamping presses, roll formers, and cutting machines.







## Metal Deck Profile

Metal decking is corrugated metal sheeting that's used as a structural roof deck or composite floor deck. It will be supported by steel beams or joists. The purpose of metal deck is to support the insulating membrane of a roof or to support and bond with the concrete to create a composite metal floor deck.

Metal decking has a high strength-to-weight ratio which decreases erection and material handling cost. It's an ideal product for multi-story buildings. It's the perfect platform for a roof or a concrete floor.

## Coil Cars

Downtake Pipes package has been designed to make installation very easy for gutter height of 12 m. The package includes all components needed for installation and they come in a single package, ensuring safe delivery. Offers metal Downtake Pipes made out of 550 mpa color coated galvalume material. Length can be according to the customer's requirement. These products are designed at our ultra-modern manufacturing unit using the superb quality material and progressive technology, in conformance with defined quality standards. Being a quality-oriented organization, we assure



## Cut to Length Machine

Cut-to-length (CTL) unrolls and flattens a roll of material, cuts it into sheets of precise length, and stacks the sheets into a bundle. Functions may include, but are not limited to, coil inventory and coil loading, unwinding and unwinding, straightening of the leading edge of the coil, edge trimming, scrap cutting, and sheet stacking. Inline equipment used in the system may vary depending on width, thickness and incoming coil weight, and may include coil storage, uncoilers and coil loading, straighteners, flatteners, roll feeds machines, shears, stackers and related tools and accessories. Depending on the final end product used from the cut sheet, flatness can be a critical point, and a dual leveler, leveler, or stretch leveler can be used in the process.

## Downtake Pipe

Downtake Pipes package has been designed to make installation very easy for gutter height of 12 m. The package includes all components needed for installation and they come in a single package, ensuring safe delivery. Our down pipe package includes:

Offers metal Downtake Pipes made out of 550 mpa color coated galvalume material. Length can be according to the customer's requirement.

These products are designed at our ultra-modern manufacturing unit using the superb quality material and progressive technology, in conformance with defined quality standards.



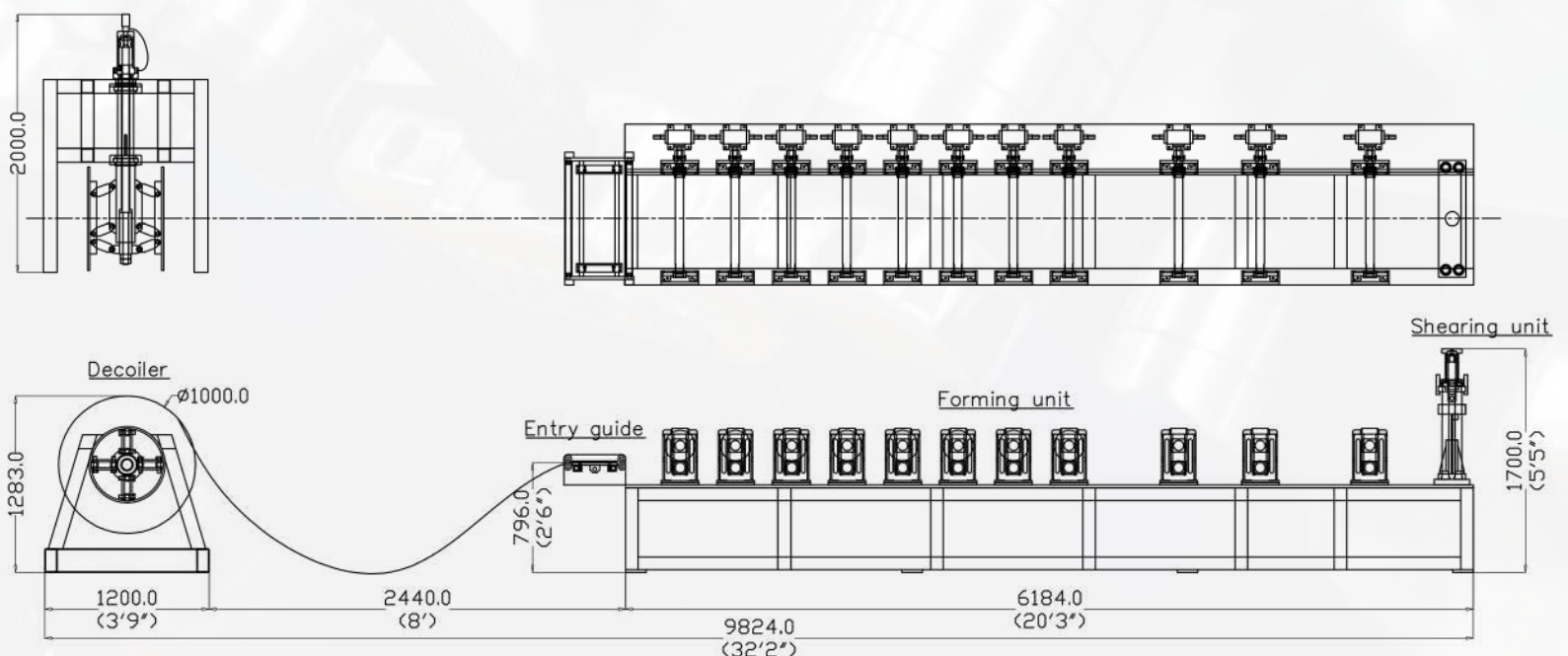
## Ridge Profile



Profile Ridge has been designed to give the appearance of a traditional bedded ridge, but with all the benefits that a modern dry ridge system provides, such as secure mechanical fixing and appropriate ventilation.

The Profile Ridge system incorporates ventilation strips to support the ridges and provide high level ventilation. Ridge unions provide an efficient seal between each ridge and give the appearance of a 10mm mortar joint.

To complete the system and to enhance aesthetics, profile fillers are supplied for profiled tile types. The fillers click into the ventilation strips and both are marked to ensure correct orientation.

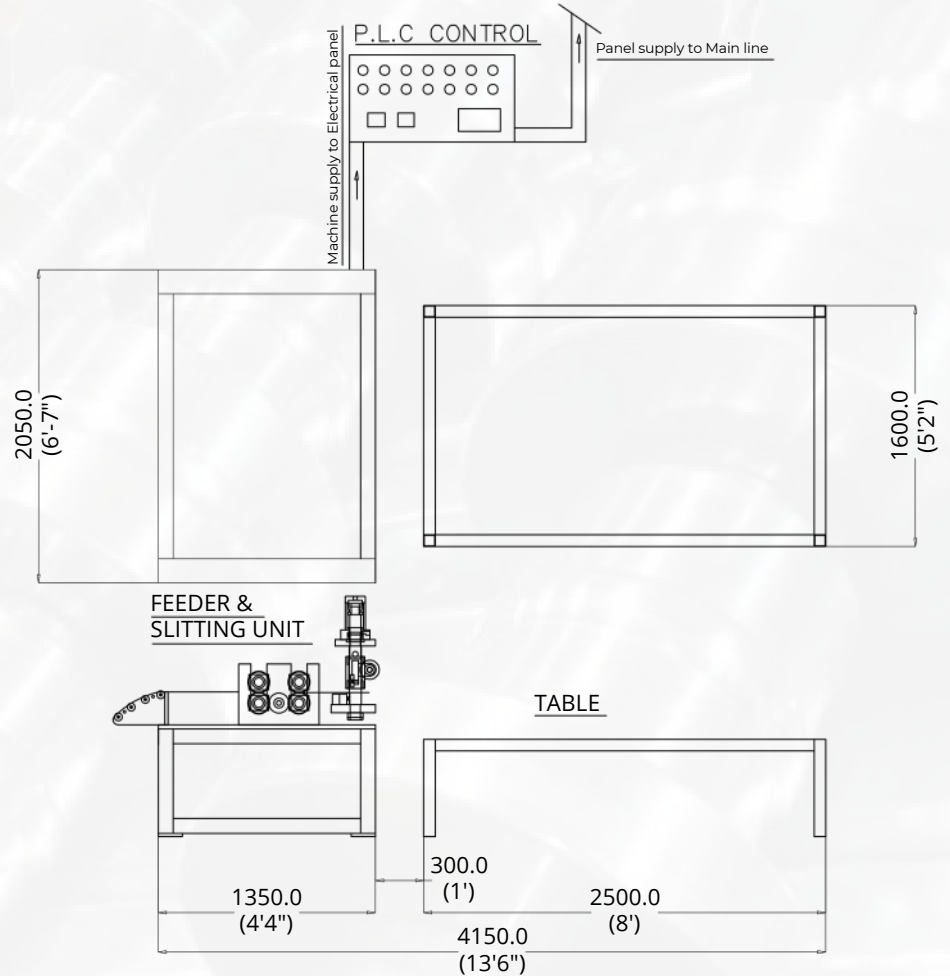




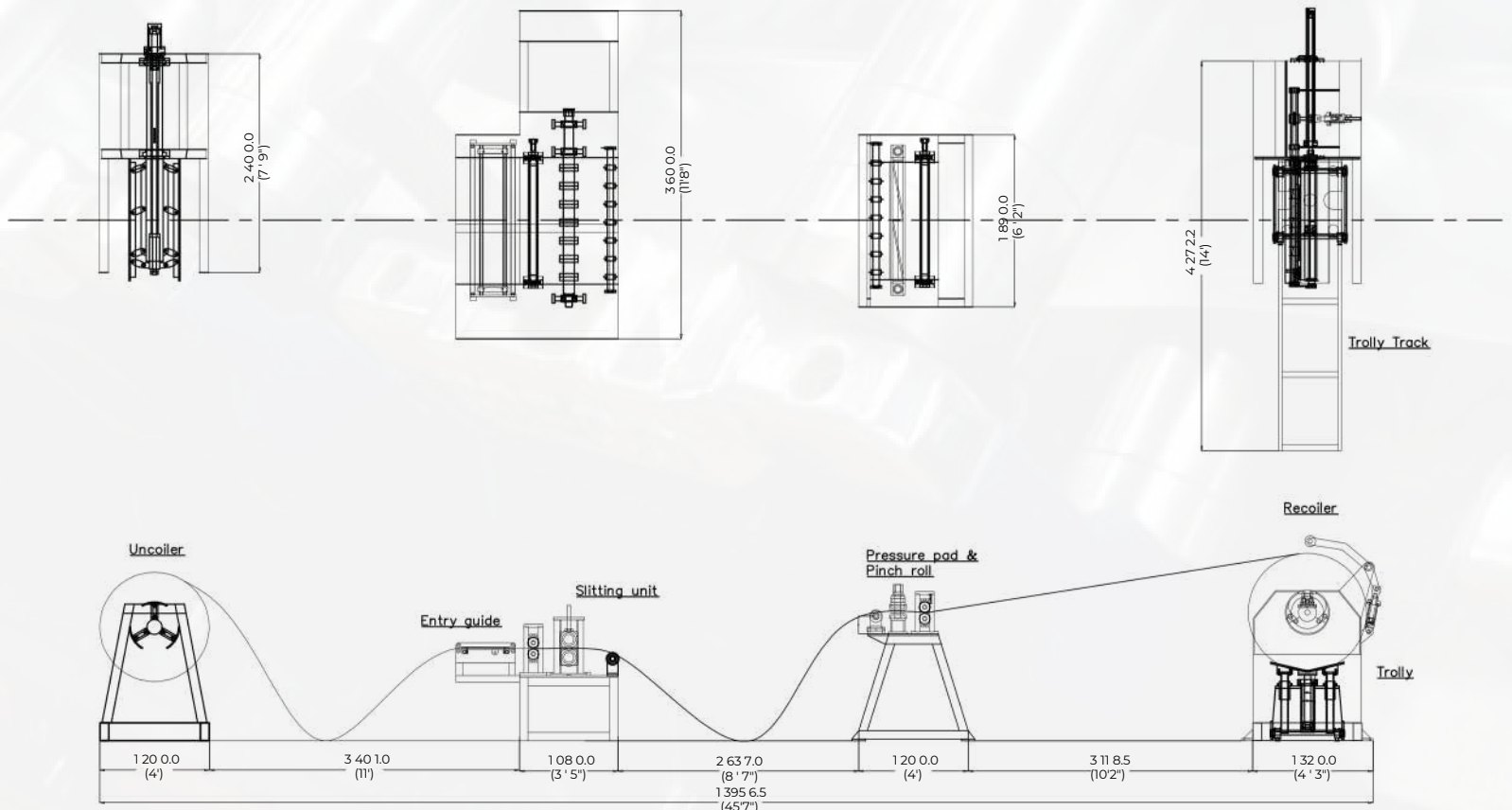
## Slitting and Shearing



Slitting is a sheet metal cutting process with circular knives, which is used to split wide coiled sheet metal into narrower widths or for edge trimming of rolled sheet. The slitting process is schematically shown in Figure 1.6. The slitter knives are mounted on two arbors together with spacers. The spacers determine the width of the cut and the horizontal clearance. Sometimes also a vertical clearance (overlap, Appendix A) is used, e.g. to correct for bending of the arbors. Rubber stripper rings are used to eject the strip from between the knives and to support the strip during slitting.



### SLITTING LINE

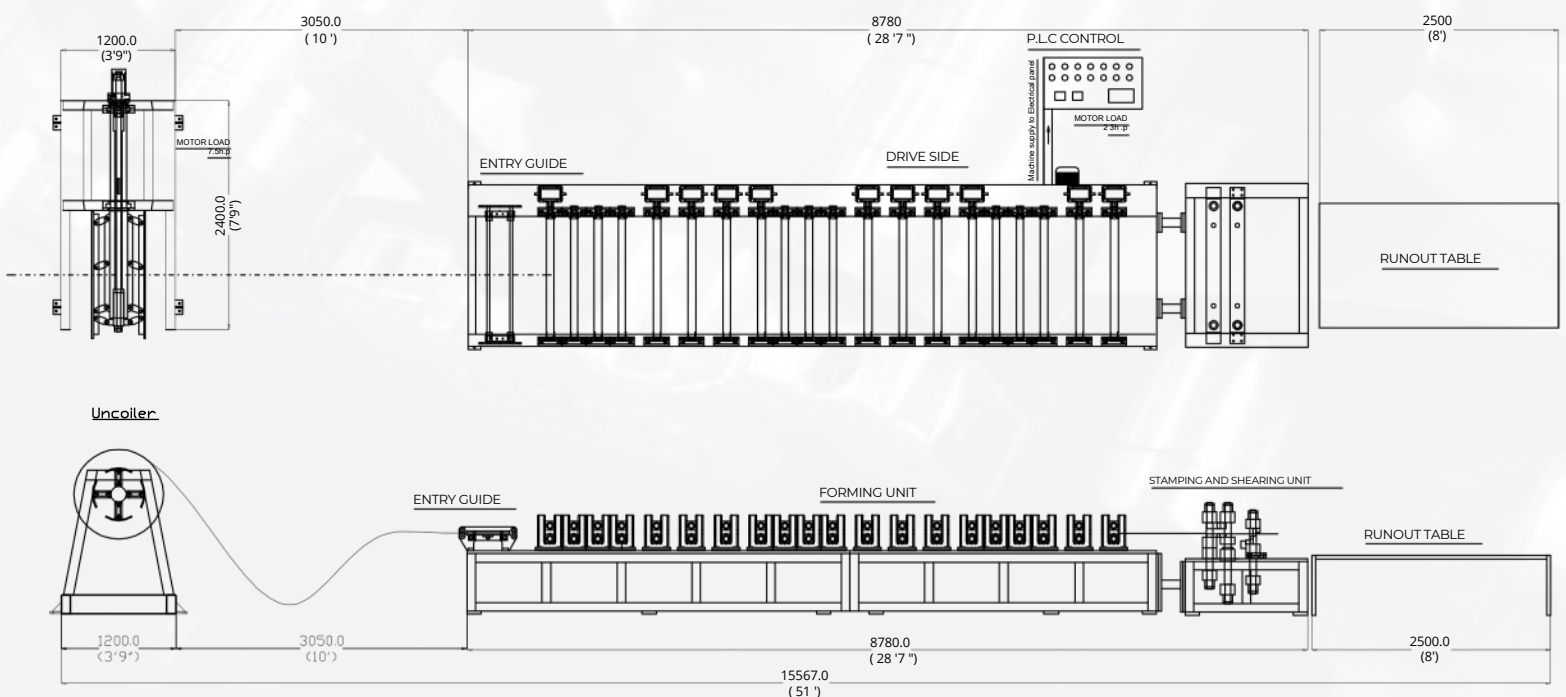


## Tailing Profile



A Tailing Profile refers to the gradual decline or trailing off observed after a peak in various fields. In chromatography, it indicates issues like column overloading or strong analyte interactions, affecting analysis accuracy. In hydrology, it describes the recession curve in a hydrograph post-peak flow, aiding in flood forecasting and water management. In mining, it details the distribution and composition of tailings, crucial for environmental management. Understanding and optimizing tailing profiles enhance performance, accuracy, and sustainability across these applications, providing valuable insights for improving processes and mitigating impacts.

### TAILING 1220MM







## Panel 150F

To meet diverse requirements of our clients in the best possible manner, we are manufacturing and supplying a comprehensive range of Ceiling Systems such as 84C & 184C Ceiling System, 75C & 150C Ceiling System and Open Cell Ceiling System. Offered systems are designed by our skilled professionals using the best technology to render maximum clients' satisfaction. In order to meet variegated demands of clients, these are made available in various customized options. Besides, clients can avail this range at market-leading prices.

## Press Brake

Press Brake is the machine that is specially used for bending sheet metal. The capability of the machines is significant by the two factors: The overall bending length and their capacity to bend metal. The press brake is narrow and long in size so that any size of sheet metal can be bent easily. By lowering a punch into sheet metal that has been positioned on top of a die, a press brake bends sheet metal. A press brake may bend the metal multiple times until it reaches the required shape.



## Shutter Patti

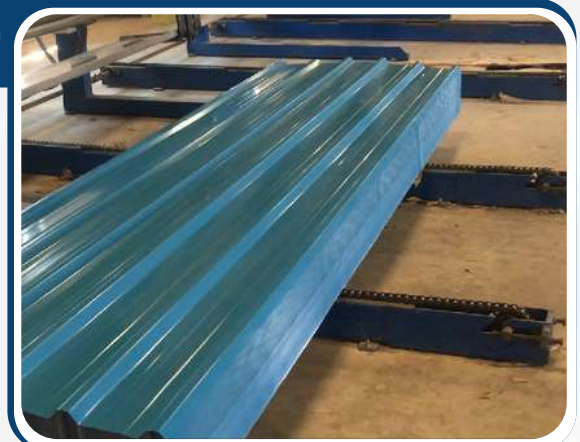
We are a supplier of high-quality rolling shutter patti, which is widely used in the construction industry for shutter doors and windows. Our rolling shutter patti is manufactured using the latest technology and highest quality raw materials, ensuring durability, strength, and reliability.

Rolling shutter patti is made from steel strips that are roll-formed into a specific shape, making it easy to install and operate. The product is available in different sizes and thicknesses to meet the specific requirements of our customers.

## Stacker

Stackers typically move on a rail between stockpiles in a yard and usually have three directions of movement, depending on requirements:

- Horizontally along the rail
- Vertically by luffing (raising or lowering) the boom
- Slewing, which is rotation of the stacker around its central axis and may not always be a requirement







## Truck Container Body

We are offering a heavy duty container body. these products have been manufactured from many yers with high quality standards and specified norms. A well-designed container will axhibit ease of use, that is it is easy for the worker to open or close, to insert and extract the content. We are offering the container with affordable market prices.

### Feature:

- Convenient & legible labelling location
- Efficient stacking & storing
- Easy recycling

## Cable Tray Roll Forming Line

The Cable Tray Roll Forming Line is a highly efficient and automated production system designed for manufacturing various types of cable trays. This line ensures precision forming of metal sheets into durable and uniform cable trays, accommodating different sizes and designs. Equipped with advanced roll forming technology, it guarantees consistent quality, high production speed, and minimal material wastage. The system includes decoilers, roll formers, cutting units, and automated stacking features, all controlled by a user-friendly interface.



## Door Frame Machine

The Door Frame Machine is a specialized equipment designed for the efficient production of metal door frames. Utilizing advanced roll forming technology, this machine transforms metal coils into precise, high-quality door frames with consistent dimensions and durability. It features components such as decoilers, roll formers, cutting units, and punch systems, all integrated for seamless operation. The user-friendly control system ensures easy operation and customization for various frame designs and sizes. Ideal for the construction and manufacturing industries, the Door Frame Machine enhances production speed, reduces labor costs, and ensures product uniformity, meeting rigorous industry standards and customer specifications.

## Storage Rack Machine

The Storage Rack Machine is an advanced roll forming equipment designed for the production of high-quality storage racks. This machine transforms metal coils into precisely shaped and durable rack components, ensuring uniformity and strength. Equipped with features such as decoilers, roll formers, punching units, and cutting systems, it enables efficient and automated production processes. The user-friendly control interface allows for easy customization of rack dimensions and designs to meet specific storage requirements. Ideal for industrial, commercial, and warehouse applications.



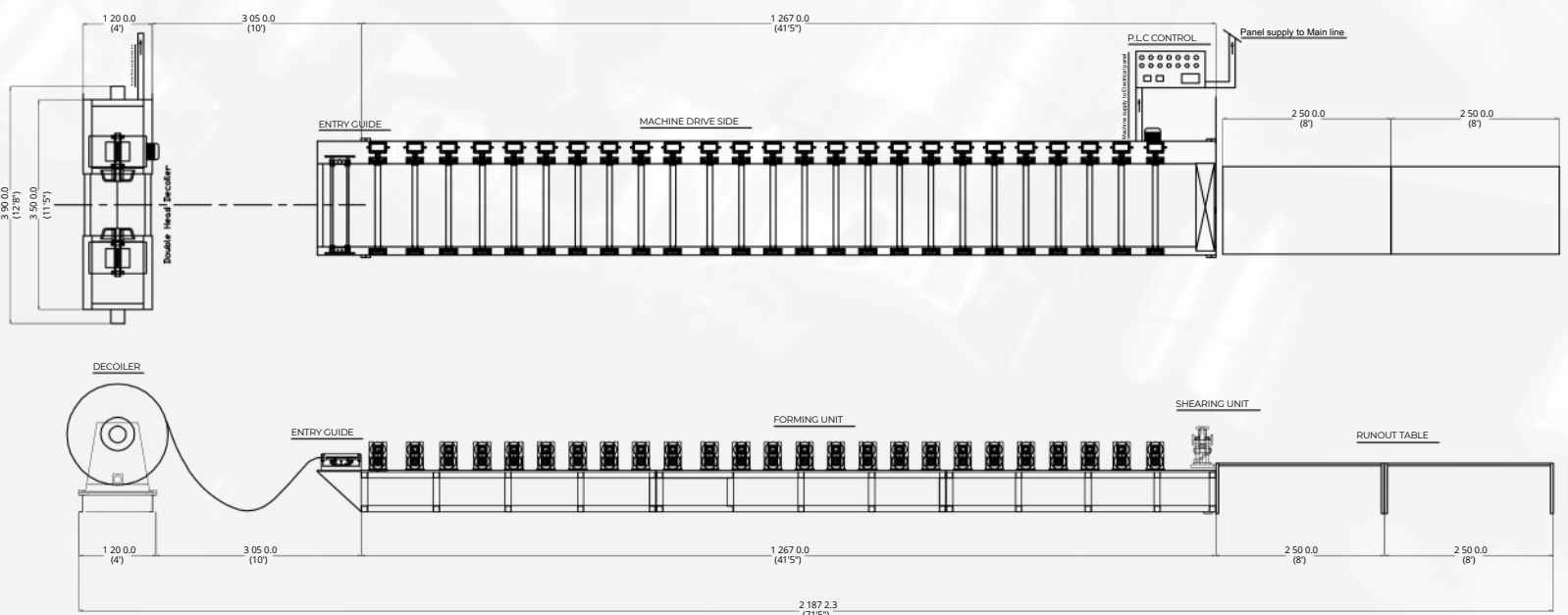


## W & Thrive Beam Roll Forming Machine



The W & Thrive Beam Roll Forming Machine is a state-of-the-art equipment designed for producing robust and precise W and Thrive beams used in construction and structural applications. This advanced machine processes metal coils into perfectly formed beams with consistent quality and accuracy. Featuring components such as decoilers, roll formers, punching units, and cutting systems, it ensures an efficient and automated production line. The user-friendly control panel allows for easy customization of beam sizes and profiles.

### DECKING ROLL FORMING



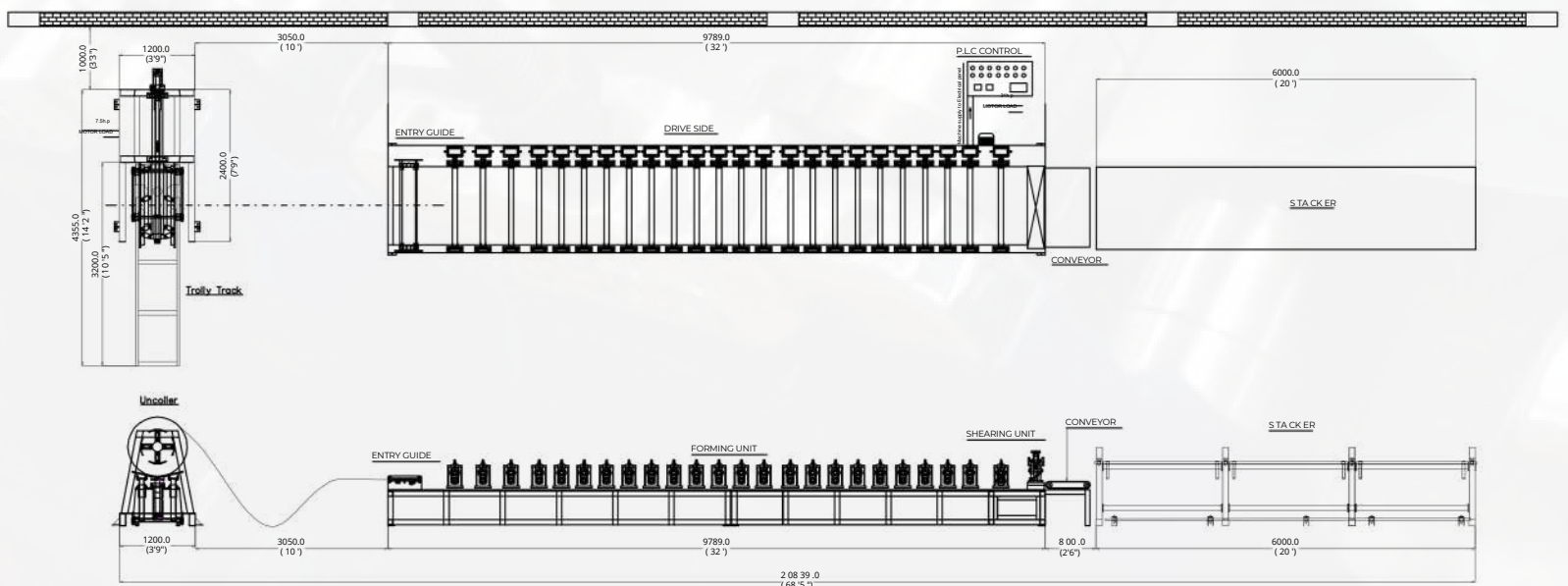


## Corrugated Metal Cladding & Silo



The Corrugated Metal Cladding & Silo Machine is specialized equipment for producing high-quality corrugated metal sheets and silo panels. This machine converts metal coils into precisely shaped, durable cladding and silo components, ensuring uniformity and strength. Equipped with decoilers, roll formers, cutting units, and automated stacking features, it enables efficient and continuous production. The user-friendly control interface allows for easy customization of sheet profiles and dimensions, catering to various construction and agricultural storage needs.

### CORRUGATION1350MM







## Strut Channel

The Sturt Channel Roll Forming Machine is designed for producing structural steel components known as sturt channels, commonly used in construction for support and framing. This advanced machine efficiently converts metal coils into precisely shaped and dimensioned sturt channels. It features components such as decoilers, roll formers, cutting units, and punching systems, all integrated for smooth and automated operation. The user-friendly control system allows for easy adjustments to channel sizes and profiles. Ideal for structural applications, the Sturt Channel Roll Forming Machine enhances production efficiency, ensures high-quality output, and meets stringent industry standards, reducing labor costs and material waste.

## Floor Deck Machine

The Floor Deck Machine is designed for the efficient production of metal floor decking sheets used in building construction. This machine converts metal coils into corrugated, durable floor deck panels that provide structural support and a base for concrete floors. Equipped with features like decoilers, roll formers, cutting units, and automated stacking, it ensures high production efficiency and consistent quality. The user-friendly control system allows for customization of panel sizes and profiles to meet specific construction requirements.



## Hat Section Profile Machine

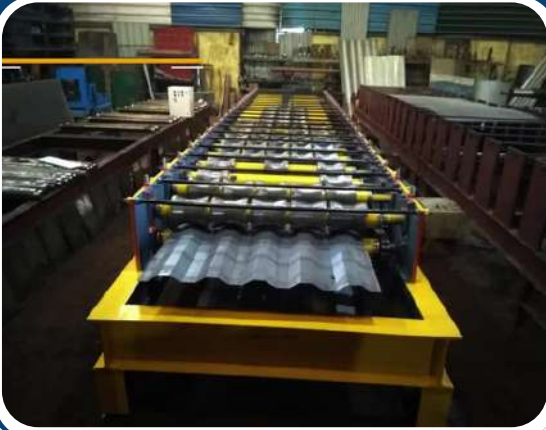
The Hat Section Profile Machine is designed for producing hat-shaped metal profiles, which are widely used in construction and structural applications for reinforcement and support. This machine efficiently transforms metal coils into precisely shaped hat sections with consistent dimensions and strength. It features advanced roll forming technology, including decoilers, roll formers, cutting units, and optional punching systems for added functionality. The user-friendly control interface allows for easy adjustment of profile sizes and shapes.

## Standing Seam Machine

The Standing Seam Machine is designed for the production of standing seam metal roofing panels, which are renowned for their durability and weather resistance. This machine converts metal coils into panels with interlocking seams that provide a secure and watertight roofing solution. Equipped with decoilers, roll formers, seaming rollers, and cutting units, it ensures precise and consistent panel formation. The machine's user-friendly control system allows for customization of panel widths, seam heights, and lengths to meet specific roofing requirements.







## Container Profile Machine

The Container Profile Machine is designed for manufacturing metal profiles used in shipping containers and storage solutions. This machine efficiently transforms metal coils into precisely shaped container profiles, ensuring durability and structural integrity. It features advanced roll forming technology, including decoilers, roll formers, cutting units, and optional punching systems for added functionality. The user-friendly control interface allows for easy adjustments to profile dimensions and shapes to meet specific container requirements. Ideal for the container manufacturing and storage industries, the Container Profile Machine enhances production efficiency, reduces material waste, and ensures high-quality, reliable profiles that adhere to industry standards.

## Tube Mill Roll

Tube Mill Roll is a critical component in the tube manufacturing process, designed to shape and form metal strips into precise, consistent tubes. These rolls are crafted from high-grade alloy steel, ensuring durability and wear resistance under high-pressure operations. Precision-engineered to meet specific dimensions and profiles, Tube Mill Rolls provide optimal performance and longevity, reducing downtime and maintenance costs. They are essential for producing tubes with tight tolerances, smooth surfaces, and uniform wall thicknesses.







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**Storage & Handling**



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**Agriculture**



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**Heavy Fabrication**



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## How to reach us



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