Production Line Of Solar Structure Parts, Road Safety Barriers & Rolling Shutters

Catalogue



Discover A Brighter Tomorrow



Custom Fabrication & Roll Forming as per Client Specifications & Drawings

MFD ENTERPRISES & COMPANY

Precision Engineering for Industrial Performance

www.mfdenterprisescompany.com

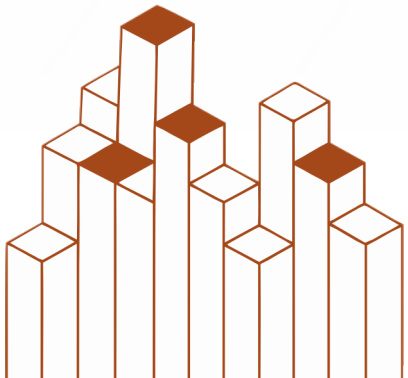
About Us

Dedicated Custom Production Line & Roll-Forming Facility

MFD Enterprises & Company operates as a premier custom production line and steel roll-forming facility specializing in high-precision, drawing-based execution. We cater to diverse industrial sectors, providing tailored roll-forming, cold-forming, and heavy fabrication production lines based strictly on customer requirements and engineering designs.Clients provide raw materials or job specifications, and our state-of-the-art production lines process, roll-form, and supply fully finished, high-performance structural components strictly adhering to provided technical drawings and tolerances.

Core Strengths & Services:

Custom Job-Work & OEM Manufacturing: Production executed strictly as per client specifications and technical drawings.
Advanced Machinery & Capabilities: High-precision roll forming, cutting, punching, and custom profiling.
Versatile Material Handling: Expert processing of Cold Rolled (CR), Hot Rolled (HR), and Galvanized Steel (GI).
End-to-End Solutions: From raw material processing to final protective surface treatments (Pre-galvanized & Hot-Dip Galvanized).





Technical Specifications & Capabilities

Thickness Range:	1.2 mm to 8.0 mm
Length Capacity:	Up to 12,000 mm (12 Meters)
Raw Materials Handled:	CR Steel, HR Steel, Galvanized Steel
Yield Strength Options:	245 MPa to 345 Mpa
Finishing / Surface Types:	Bare (Uncoated), Pre-Galvanized, Hot-Dip Galvanized
Galvanization Coating Thickness:	10 Microns to 120 Microns

Production

Dedicated Custom Production Line & Roll-Forming Facility

Solar Mounting Structures & Accessories

Engineered for maximum structural integrity, wind resistance, and long-life durability across Ground-Mount and Rooftop installations.

Solar Mounting Systems:

- Ground-Mount Solar Structures
- Rooftop Solar Mounting Systems
- GI & Steel Solar Structures

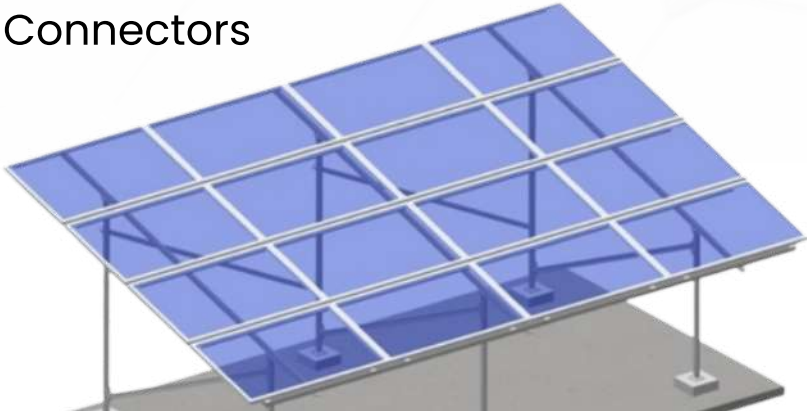


Structural Profiles:

- U-Section, Cee Section & Hat Section Profiles
- C-Channels & C-Lip Channels
- Z-Purlins (45° Lip & 90° Lip)
- Hat Channels & Top Hat Sections
- Sigma Sections & Uneven Sigma Profiles
- Multi-Beam Sections & Equal Angle (90°)
- Strut Channels
- Lip Channels

Solar Accessories & Fabricated Components:

- Solar Beam Posts
- Solar Profiles
- Bracings, Rafters, & Mounting Clamps
- Precision Fabricated Structural Connectors



Solar Mounting Systems



Ground-Mount
Solar Structure



Rooftop Solar
Mounting Systems



GI & Steel
Solar Structures



At MFD Enterprises & Company, we seamlessly integrate core production operations within our facility, enabling precise dimensional accuracy, superior quality standards, and optimized manufacturing efficiency.

Production Stages

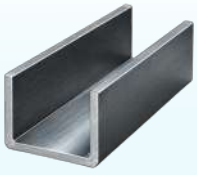
1. Raw Material → **2. Punching** → **3. Roll Forming** → **4. Cutting**

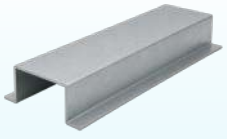
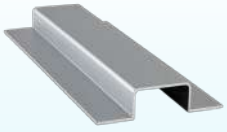
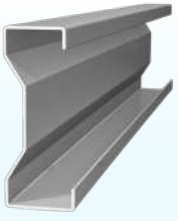
Whether you require standard solar mounting components or custom-engineered profiles, our team delivers tailored solutions built to your exact specifications.

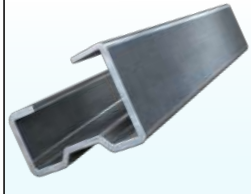
Structural Profiles



Different Types of Steel Profiles

U Section	Cee Section	Hat Section	C-Channel	C-Lip Channel
				

Z-Purlins (45° Lip)	Z-Purlins (90° Lip)	Hat Channel	Top Hat Section	Sigma Section
				

Uneven Sigma Profile	Multi Beam Section	Equal Angle (90°)	Strut Channel	Lip Channel
				

Each profile is designed for specific structural and engineering needs.

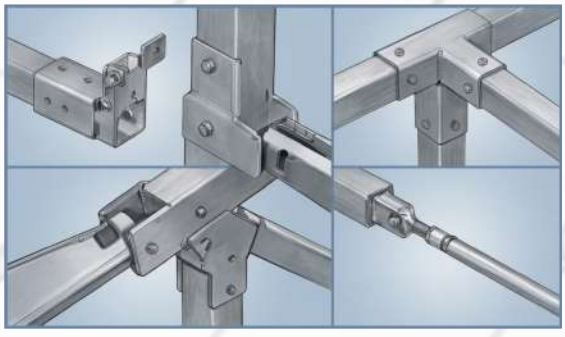
The choice depends on load requirements, application and design specificatinos.

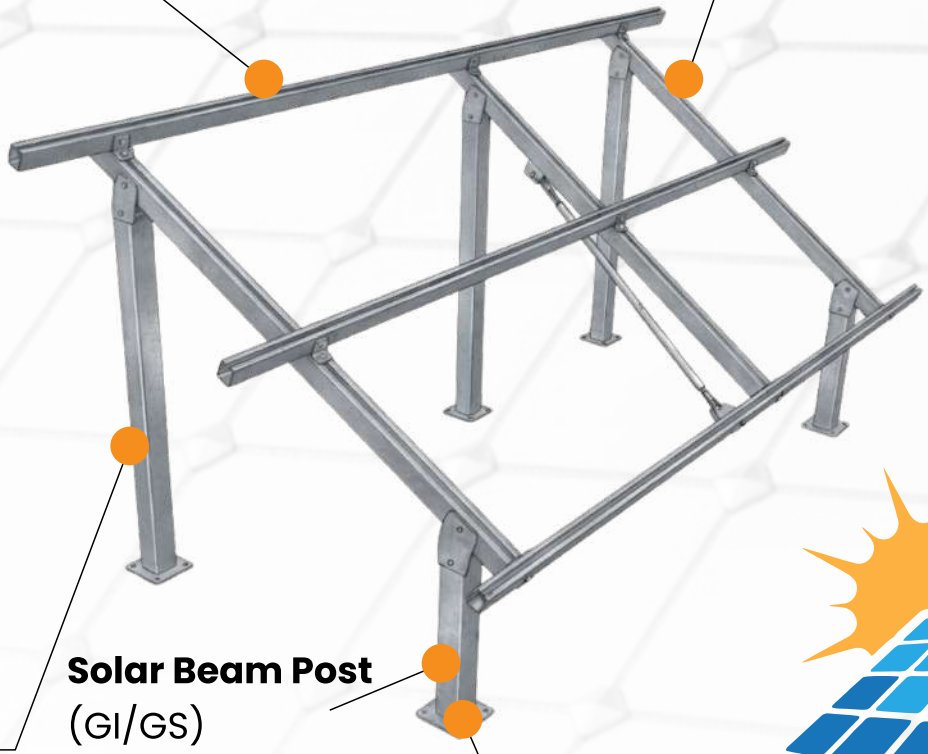
Solar Accessories

Solar Beam Posts



Bracings & Structural Connectors





Solar Beam Post
(GI/GS)

Solar Profile & Rafters



Mounting Clamps



End Clamps
Adjustable &
Panel Framing

Mid-Clamps
Rapid-mounting
For Standard
Panel Framing

All the components and solar structure parts will be produced as per the customer's requirements and needs.

Road Safety Parts

MFD Enterprises & Company manufactures high-strength road safety components—including W-Beam and Thrie-Beam metal crash barriers, posts, spacers, and custom hardware—in compliance with international standards.

Operating purely as a dedicated job-work and production unit, we manufacture strictly according to client-supplied materials, engineering drawings, and custom requirements to deliver precise, cost-effective infrastructure solutions.



Crash Barrier Systems



W-Beam & Thrie-Beam
as per Customer's Requirements







Crash Barrier Posts & Spacers
as per Customer's Requirements

Rolling Shutter Parts



Rolling Shutter Parts

Rolling Shutter Laths / Slats
Rolling Shutter Guide Channels
Rolling Shutter Bottom Rail
Rolling Shutter Angle
Rolling Shutter Axle
Rolling Shutter Barrel Assembly
Rolling Shutter Springs
Rolling Shutter Bearings
Rolling Shutter Girders
Rolling Shutter Gader
Rolling Shutter End Clips
Rolling Shutter Side Locks
Rolling Shutter Brackets
Rolling Shutter Mounting Plates
Rolling Shutter Motor & Drive Unit

Types of Rolling Shutters

Manual Push-Pull Shutter



Semi-Automatic Shutter



Motorized / Automatic Shutter



Grill Shutter



Double-Walled Shutter



All Rolling Shutters Parts & Components will be designed and produced by MFD as per the client's requirements and needs. Customized solutions will be served.

Designed & Developed by:
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