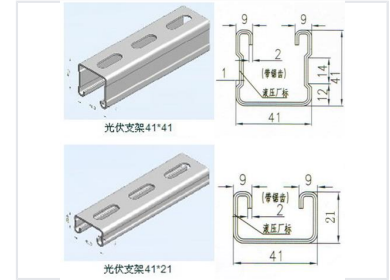
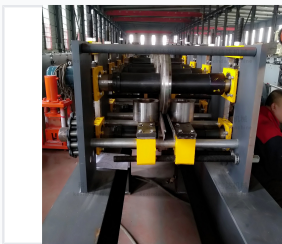


# Solar Panel Bracket Roll Forming Machine

This solar bracket roll forming machine is engineered for the efficient production of solar panel mounting brackets. It utilizes a continuous roll forming process to ensure consistent quality and high-volume output.



## ADDITIONAL IMAGES



## Overview

### Industrial Solar Bracket Roll Forming Solution

This high-precision roll forming machine is engineered for the efficient, large-scale production of solar panel mounting brackets. Utilizing a continuous multi-station forming process, it ensures consistent structural integrity and dimensional accuracy across various profile designs. With automated feeding, punching, and tracking hydraulic cutting, this system minimizes labor requirements while maximizing production output for solar energy projects.

## Technical Specifications



Detailed view of the multi-station roll forming assembly and straightening unit.

Feeding Material Width	300 mm
Material Thickness	1.5 - 2.5 mm
Production Speed	20 m/min
Minimum Product Length	2000 mm
Compatible Materials	Q235 Cold Steel, Q345 Cold Steel, Hot Galvanized Strips

## Quality Standards

### Precision Tolerances

**1.5 mm/1500mm**  
Straightness Error

**1.5 mm/1000mm**  
Angle Error

**1.5 mm**  
Length Error

## Component Specifications



Precision-engineered rollers designed for consistent bracket profile formation.

### 3T Electric Decoiler Details

Feature	Value
Max Loading Capacity	3T
Inner Diameter	508 mm
Inner Diameter Range	480-520 mm
Max Outer Diameter	1500 mm

## Production Process



Integrated PLC control system and tracking hydraulic cutter for precise length management.

### Production Workflow

- 3T Automatic Decoiling and Straightening
- Servo Feeding
- Punching with Custom Mould
- Main Roll Forming
- Sizing
- Tracking Hydraulic Cutting
- Output Table Collection