

# Dip Light Keel Roll Forming Machine

This machine is used for the efficient production of light gauge metal profiles, specifically keels used in lighting and ceiling systems. It utilizes a series of shaped rollers to gradually form the metal strip into the desired keel profile.



## ADDITIONAL IMAGES

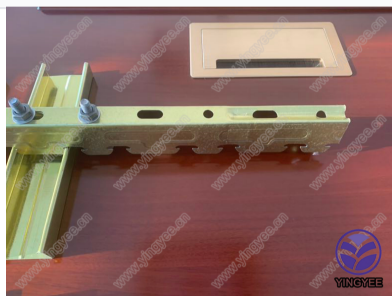


## Product Overview

### High-Efficiency Dip Light Keel Production

The Dip Light Keel Roll Forming Machine is a specialized solution for the precise manufacturing of light gauge metal profiles used in suspended ceiling systems. This automated line utilizes a series of 16 forming stands to progressively shape metal strips into consistent, high-quality keel profiles. Engineered for high-volume production, it features a non-stop cutting system and adjustable settings to accommodate various material thicknesses and dimensions.

## Core Performance



The robust forming station featuring precision rollers for consistent profile shaping.

### Key Performance Metrics

**5.5 kW**

Main Motor Power

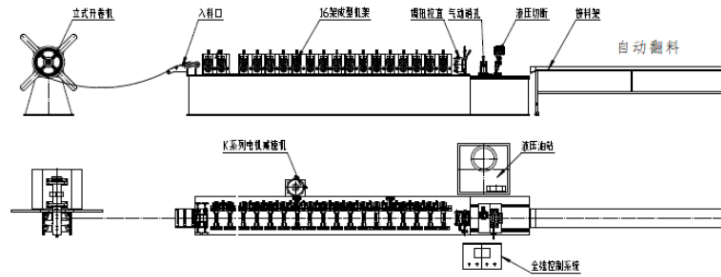
**3 T**

Decoiler Capacity

**16 qty**

Forming Stands

## Technical Process



Detailed technical layout from vertical uncoiler to automatic blanking rack.

### Production Workflow

- Vertical Uncoiling
- Entry Port Feeding
- 16-Stand Roll Forming
- Torsion Straightening
- Pneumatic Punching
- Hydraulic Non-stop Cutting
- Automatic Blanking and Collection

## System Components



Complete automated line including uncoiler, forming section, and control panel.

### Included Equipment

- Manual Decoiler (3T Capacity)
- Adjustable Width Feeding System
- Main Forming Machine
- Non-stop Hydraulic Cutter
- Hydraulic Station with Cooling Fan
- PLC Control System
- Automatic Collection Table
- Maintenance Wrench Set

## Material Compatibility

### Compatible Materials

Galvanized Steel, Aluminum, Light Gauge Metals

## Technical Specifications

### Mechanical Details

Component	Specification
Motor Reducer	K-series high-efficiency type
Cutting Mechanism	Hydraulic non-stop tracking cut
Feeding System	Width adjustable guides
Frame Construction	High-strength steel for vibration resistance

## Application



High-precision finished products suitable for ceiling and lighting applications.

### Primary Applications

Suspended Ceilings • Lighting Fixture Frames • Construction Profiles • Wall Partition Systems