

# T-Ceiling Grid Production Line

This automated production line manufactures T-shaped ceiling grids using multiple forming stations. It features adjustable rollers and guides to accommodate various dimensions and material thicknesses.



## ADDITIONAL IMAGES



## Overview

### Professional T-Ceiling Grid Solution

This automated production line is engineered for the efficient manufacturing of main tee, cross tee, and angle profiles for suspended ceiling grids. The system integrates precise roll forming stations, PLC-controlled automation, and high-speed cutting units to ensure consistent output quality. Designed for durability with heavy-duty components, this line supports high-volume production for industrial ceiling grid applications.

## Technical Specifications

### Processing Capability

Component	Thickness Range (mm)
Main Tee	0.3 - 0.5
Cross Tee	0.3 - 0.5
Angle	0.3 - 0.5

### Production Performance

<b>25 m/min</b> Main/Cross Tee Speed	<b>40 m/min</b> Angle Max Speed	<b>16 steps</b> Main/Cross Forming Steps	<b>5.5 kw</b> Main/Cross Power
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## Engineering Details

### Material Specifications

- Shaft material: #45 steel (cementation treated)
- Roller material: Cr12 steel
- Cutter blade: Cr12 mould steel (HRC 58-62)
- Wall panel: Iron casting

### Automation Features

PLC Control, Servo Tracking, No-Stop Cutting, Automatic Control