

Automated Milling Production Line for Vehicle Components

This automated production line is engineered for drilling, tapping, and milling processes. It enhances production efficiency and minimizes manual operation in vehicle component manufacturing.



System Overview

Automated Milling Production Line

This flexible production line integrates advanced milling and turning processes to enable fully automated, unmanned manufacturing of vehicle components. Utilizing a high-precision 6-axis industrial robot and a centralized unit management system, the line coordinates machining centers and CNC lathes for optimized throughput. With integrated order management software, the system intelligently schedules tasks and manages production plans to maximize operational efficiency.

Technical Specifications

Robot Payload Capacity	20 kg
Degrees of Freedom	6

System Components

Included Components

- Machining center
- CNC lathe
- 6-axis industrial robot
- Guide rail
- Material rack
- Loading/Unloading station
- Cleaning station
- Safety fencing

Operational Features

Automation Features	Unmanned Operation, Task Scheduling, Order Management, Flexible Production, Centralized Control
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