

Wood Plastic Composite Production Line

This production line efficiently manufactures wood plastic composite (WPC) profiles. It integrates feeding, extrusion, cooling, and cutting processes to deliver high-quality WPC products.



ADDITIONAL IMAGES



Overview

Wood Plastic Composite Production Line

This production line offers an advanced solution for manufacturing Wood Plastic Composite (WPC) profiles by integrating high-precision feeding, extrusion, cooling, and cutting processes. Designed for versatility, the system supports a wide range of raw materials including PP, PE, and PVC, allowing for up to 70% wood powder content in the final mixture. It combines the aesthetic appeal of natural wood with the durability of plastic, providing an eco-friendly and recyclable alternative for decking, siding, and fencing applications.

Technical Specifications

Performance Metrics

Item	HIM-WPC-80	HIM-WPC-120	HIM-WPC-200
Capacity (kg/h)	55~80	85~120	125~200
Extruder Heating Power (kw)	24	36	46
Main Motor (kw)	55	74	110
Total Power (kw)	91	124	199
Size (LxWxH) m ³	16x1.5x2.3	20x1.5x2.5	22x1.6x2.7

Features & Benefits

System Highlights

- High efficiency with up to 50% energy savings compared to industry standards
- Advanced PLC control system with Omron sensors for precise production
- Durability: Screws and barrels designed for a service life of up to 15,000 hours
- Uses high-quality international components including Siemens, Omron, and ABB
- Material versatility: compatible with various wood powders and plant fibers

Certifications

CCC, CE, GOST, ISO9001