

PP PE Plastic Geocell Production Line

This production line is engineered for manufacturing geocells from polypropylene and polyethylene plastics. It integrates material feeding, extrusion, calendaring, punching, and winding stages for continuous, automated production.



ADDITIONAL IMAGES



Product Overview

High-Performance Geocell Production Line

This production line is engineered for the automated manufacturing of high-tensile thermoplastic geocells using PP or PE materials. Through a sophisticated process including extrusion and ultrasonic welding, it creates three-dimensional alveolate structures capable of reinforcing roadbeds, controlling erosion, and supporting earth-retention walls. Designed for efficiency and consistent quality, this system helps manufacturers produce durable geosynthetics that effectively manage load distribution and soil stability in demanding civil engineering projects.

Technical Specifications

Performance Parameters

Parameter	Model JG-TGGC90	Model JG-TGGC120
Raw Material	PP/PE	PP/PE
Sheet Thickness (mm)	1.1, 1.2, 1.5, 1.8	1.1, 1.2, 1.5, 1.8
Geocell Height (mm)	50, 75, 100, 150, 200	50, 75, 100, 150, 200, 300
Welding Distance (mm)	340-800	340-800
Unfolding Area (m ²)	4 x 5	4 x 5
Dimensions (LxWxH) (m)	28 x 5 x 3	30 x 8 x 3

Certifications & Standards

Quality Compliance	ISO9001, CE, TUV
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