Needle Punching Loom for Nonwoven Fabrics

This needle loom is used in the textile industry for nonwoven fabric production. It employs a needle punching method to interlock fibers, creating strong and durable materials.

Overview

Professional Needle Punching Loom

This advanced needle punching loom is engineered for the high-performance reinforcement and surface finishing of nonwoven fabrics. It utilizes an array of needle boards to mechanically interlock fibers, resulting in a durable and uniform textile structure. With customizable density and stroke parameters, the machine is designed to meet the rigorous demands of large-scale textile production environments.

Technical Specifications

Performance Metrics

10000 mm	8000 n/m	1200 s/min
Max Working Width	Max Needle Density	Max Needle Frequency

Operational Range

Parameter	Range
Working width	2200 - 10000 mm
Needle density	4000 - 8000 n/m
Needle stroke	25 - 50 mm
Needle frequency	800 - 1200 s/min

Needling Configuration	Single board, up/down stroke

Construction and Systems

Key Features

- Crank case with vertical balance system
- Centralized oil lubrication, circulation, and cooling system
- Integrated pressure and temperature alarm systems
- Multi-random computer needling methods
- Chrome-plated delivery rollers with patterned surface
- Auto top dead center controlled stop

Needle Board Materials	Magnesium Alloy, Polyurethane (PU)