Needle-Feed Direct-Drive Lockstitch Sewing Machine

Needle-feed, direct-drive high-speed lockstitch sewing machine with micro-oil lubrication. It has a small servo motor direct drive system for quick start and stop sewing operations, minimizing energy loss by 50% compared to traditional belt drives.

Overview

High-Efficiency Needle-Feed Lockstitch Machine

This direct-drive high-speed lockstitch sewing machine features a needle-feed mechanism designed to prevent material slippage, skipped stitches, and needle breakage. It is ideal for sewing smooth fabrics, multi-layer materials, and heavy overlapping parts such as curtains or quilts. Equipped with a micro-oil lubrication system and energy-saving servo motor, this machine offers a clean, efficient, and reliable solution for professional sewing environments.

Performance Metrics

Max Sewing Speed

4500 spm
Max Speed

Technical Specifications

Needle Type	DBx1#14
Energy Efficiency	50% reduction vs belt drive
Lubrication Type	Micro-oil

Automation & Features

Automated Capabilities	Automatic Thread Trimming, Automatic Back Tacking, Automatic Positioning, Automatic Wiping
Drive System	Direct-drive servo motor

Key Advantages

Best For

- Smooth fabrics
- Multi-layer materials
- Heavy overlapping parts
- Curtains and quilts