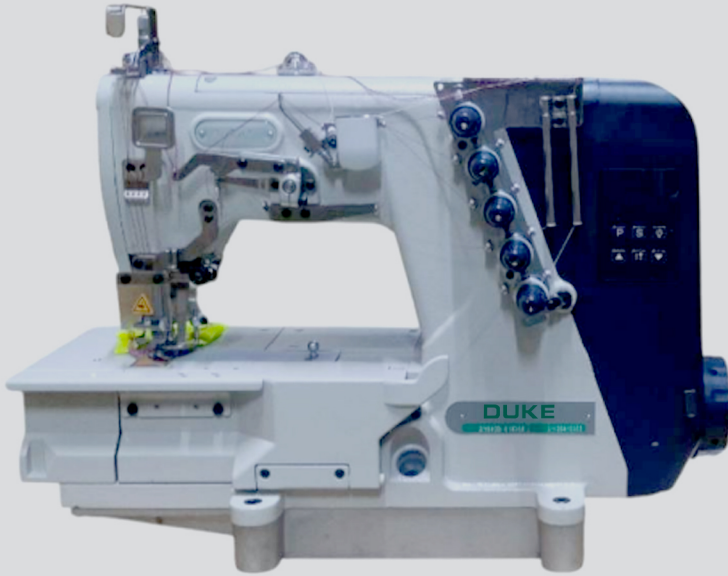


DY 500D Series

HIGH-SPEED COVER STITCH MACHINES



The Duke DY-500D Series (Models: DY 500D-01x356 , DY 500D-02x356 and DY 500D-01/UTD) comprises 3-needle, flatbed, high-speed machines designed specifically for top and bottom cover stitching. These machines are optimized for creating professional-grade plain seams, offering high reliability for industrial environments.

Performance advantage

1. Engineered for high-speed operation while maintaining low power consumption.
2. Features a robust needle penetration force, ideal for stitching through heavy-duty materials.
3. Equipped with an integrated thread trimming system to increase productivity.
4. Utilizes an electronic clamping system to ensure consistent thread tension and high-quality stitch results.
5. Stitch length can be quickly and easily adjusted via the dedicated pause/function button.
6. Integrated control box simplifies machine operation and settings management.
7. Versatile design, widely used for garments like kids wear , mens wear, inner wear , outer wear etc.

Specification parameter

Model	DY 500D-01x356	DY 500D-02x356	DY 500D-01/UTD
Needle Count	3 Needles	3 Needles	3 Needles
Thread Count	5 Threads	5 Threads	5 Threads
Compatible Needles	UYX128GAS (Sizes 9~14 / 60~90)	YX128GAS (Sizes 9~14 / 60~90)	YX128GAS (Sizes 9~14 / 60~90)
Gauge Width	5.6 - 6.4 mm	5.6 - 6.4 mm	5.6 - 6.4 mm
Stitch Range/inch	8 - 16	8 - 16	8 - 16
Differential Feed Ratio	0.7 - 2	0.7 - 2	0.7 - 2
Presser Foot Lift	5 mm	5 mm	5 mm
Needle Bar Stroke	31 - 33 mm	31 - 33 mm	31 - 33 mm
Max. Operating Speed	5500 RPM	5500 RPM	5500 RPM
Thread Trimer	NA	NA	YES

Key Features & Benefits

High-Speed Performance: With a maximum speed of 5500 RPM, this machine is engineered to maximize productivity in high-volume manufacturing settings.

Versatile Stitching: The 3-needle configuration with 5-thread capacity allows for robust top and bottom cover stitches, essential for durable and flexible seams.

Precision Control: Features such as the adjustable differential feed ratio (0.7~2) and precise needle bar stroke (31-33mm) allow operators to fine-tune the machine for different fabric types.

Industry Standard Compatibility: The machine supports widely available UYX128GAS needle types (Organ/Schmetz), ensuring ease of maintenance and supply sourcing.