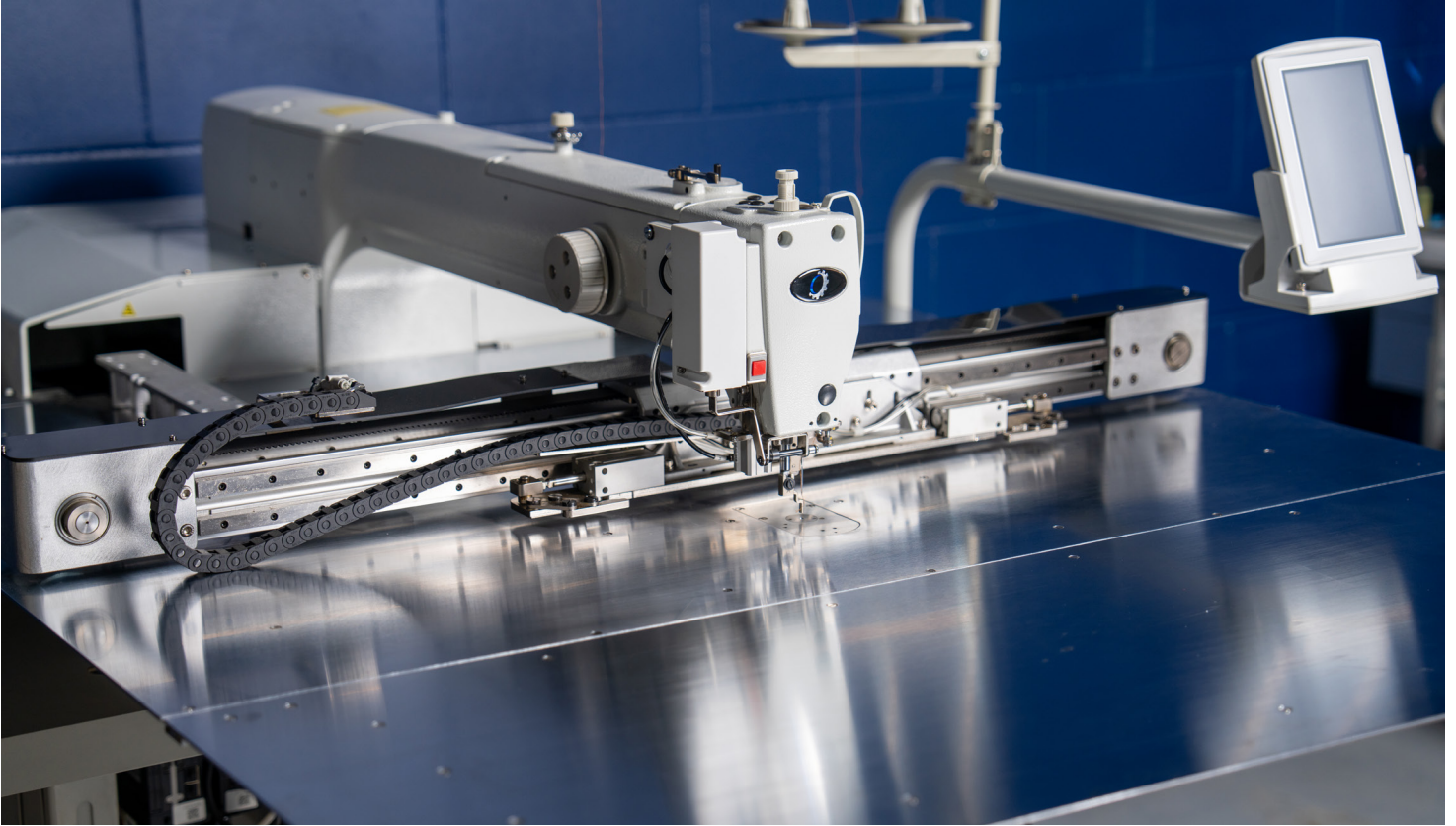


DEMATRON



Dematron's DM-6055 is a high-performance computerized sewing machine with a 600 mm x 550 mm capacity, featuring powerful servo motors that enhance efficiency and precision, making it ideal for complex patterns and reducing labor costs across various applications.



About the Product

Dematron introduces the DM-6055, a premier solution for large-area computerized sewing. With an expansive sewing area of 600 mm x 550 mm (23.6" x 21.65"), the DM-6055 excels in executing complex sewing sequences and decorative quilting patterns with exceptional precision. This versatile machine is perfect for a range of applications, including apparel, automotive and marine interiors, military and tactical gear, multi-piece sewing, leather goods, and more.

The DM-6055 features onboard programming, powerful X & Y servo motors, a linear rail system, high-quality Japanese components, and a robust table and stand—all powered by Dematron's advanced technology. It's an indispensable addition to any production line, enhancing efficiency and product quality while reducing labor costs and the need for highly skilled operators.

Features

Designed with the latest technology and highest quality components, the Dematron DM-6080 is equipped with:

- THK Linear Rail System
- Japanese Components
- X & Y Servo Drive
- Electronic Tension Device
- On-board Programming
- Threadbreak Detection

Electric Tension and Top Thread Device

With variable tension, after cutting, there is less thread excess, and the tension can be adjusted in multiple segments according to product requirements, resulting in more attractive stitch quality. Additionally, the system effectively prevents needle disengagement at the start of sewing and avoids thread nesting issues.



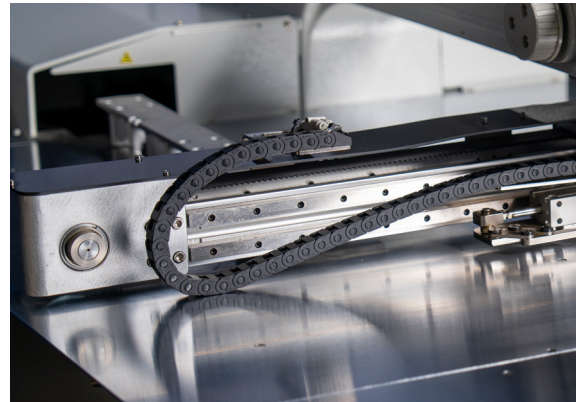
On-board Programmer

Features on-board programmer to review available patterns and sewing data (speed, stitch count, ration adjustment, etc.) with ability for easy on-board programming.



Servo Drive (X, Y)

Equipped with upgraded servo system, the X and Y axis feeding is powerful and precise, allowing for heavier-duty sewing and enhancing pattern accuracy. Featuring advanced control technology, it expands the sewing area, and the stable cutting mechanism ensures clean cuts for thicker thread. Additionally, direct drive servo motor, reduces the power by 50%, the lowest power consumption in pattern machines. With top speed servo motor, it improves sewing efficiency, saves more energy and reduces sewing time by 19% percent compared to conventional machine.



Revolutionze Your Production

Dematron Automation is the leading provider of cutting-edge CNC sewing machines and program-able solutions, offering

turnkey alternatives to costly automation. We provide both semi and fully-automated cutting and sewing options, including custom tooling,

tailored to your produc-tion needs, enhancing efficiency, reducing labor costs, and improving quality. Our expertise in CNC sewing, coupled

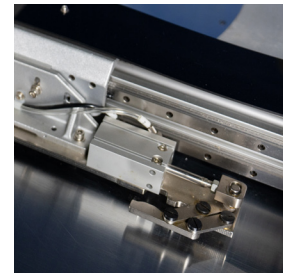
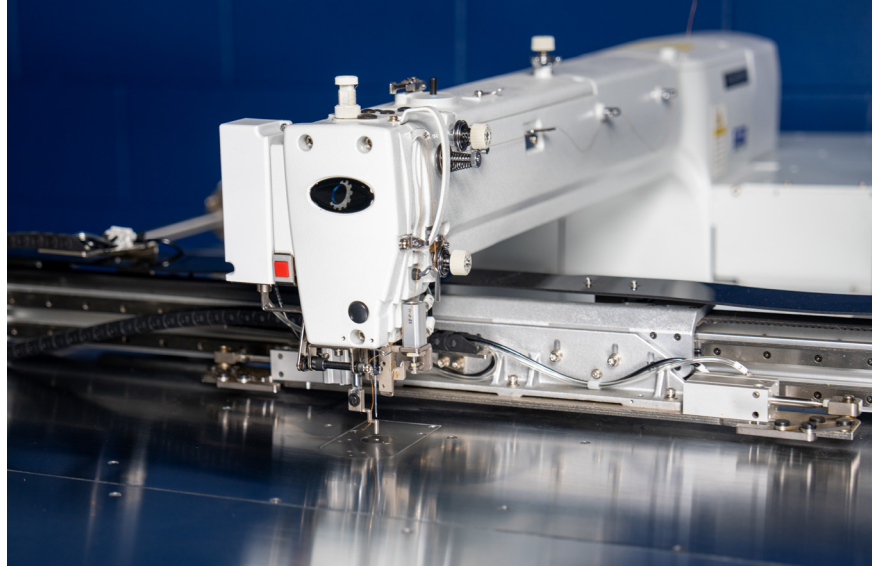
with state-of-the-art technology and a skilled team, enables us to deliver customized solutions that revolutionize sewing processes across various

industries. Contact us today for a free consul-tation to explore how we can meet your specific requirements.

Performance and power.

The Dematron DM-6055 is perfect for heavy-duty sewing, thanks to its powerful servo drive motors and robust construction. This product is ideal for tactical gear, leather goods, apparel, and intricate patterns for aerospace, automotive, and marine interiors, military gear, multi-piece sewing, and advanced manufacturing applications. Additionally, Dematron provides a comprehensive turnkey solution, including custom tooling, programming, on-site installation, and training, ensuring seamless integration into your production line. Our goal is to equip you with all the resources necessary for effective machine integration into your workflow. Lastly, Dematron backs their products with a 2 year warranty with Texas based support.

Schedule a free consultation with our team to discuss your specific production needs and determine the best equipment for your requirements.



Sewing Area

600 mm x 550 mm
(23.6" x 21.65")

Max Sewing Speed

2,800 RPM

Feeding Mode

Intermittent Feeding
(Servo motor driven)

Hook

Shuttle Hook

Presser Foot Drive

Pneumatic

Presser Foot Height

Max 30 mm

2-step Presser Fot

All-in-one Presser Foot

Intermittent Foot Height

22 mm

Intermittent Foot Stroke

0 or 2-10 mm
(Factory default: 3 mm)

Display

7" touchscreen

Thread Wiper

Standard

Cutting Device

Standard

Motor

AC Servomotor 550W

Clamping Mechanism

Pallet Style

Equipment Requirements



Dematron DM-6055

Dematron offers custom tooling for your specific sewing requirements and the option for installation and training.

DEMATRON DM-6055 ARRIVES FULLY-ASSEMBLED AND SEW READY AS SEEN IN PHOTO.

FOOTPRINT

Length

1400 mm (55")

Width

1800 mm (71")

Height

2400 mm (95")

AIR & ELECTRICAL

Air Pressure

0.5 Mpa, 1.8L/min

Power Supply

110V or 220V 1 Phase

SHIPPING DETAILS

Pack Method

Crate

Class

150

NMFC

129750.02

Net/Gross Wt.

350 kg/500kg
(770 lb/1103 lb)



DEMATRON

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