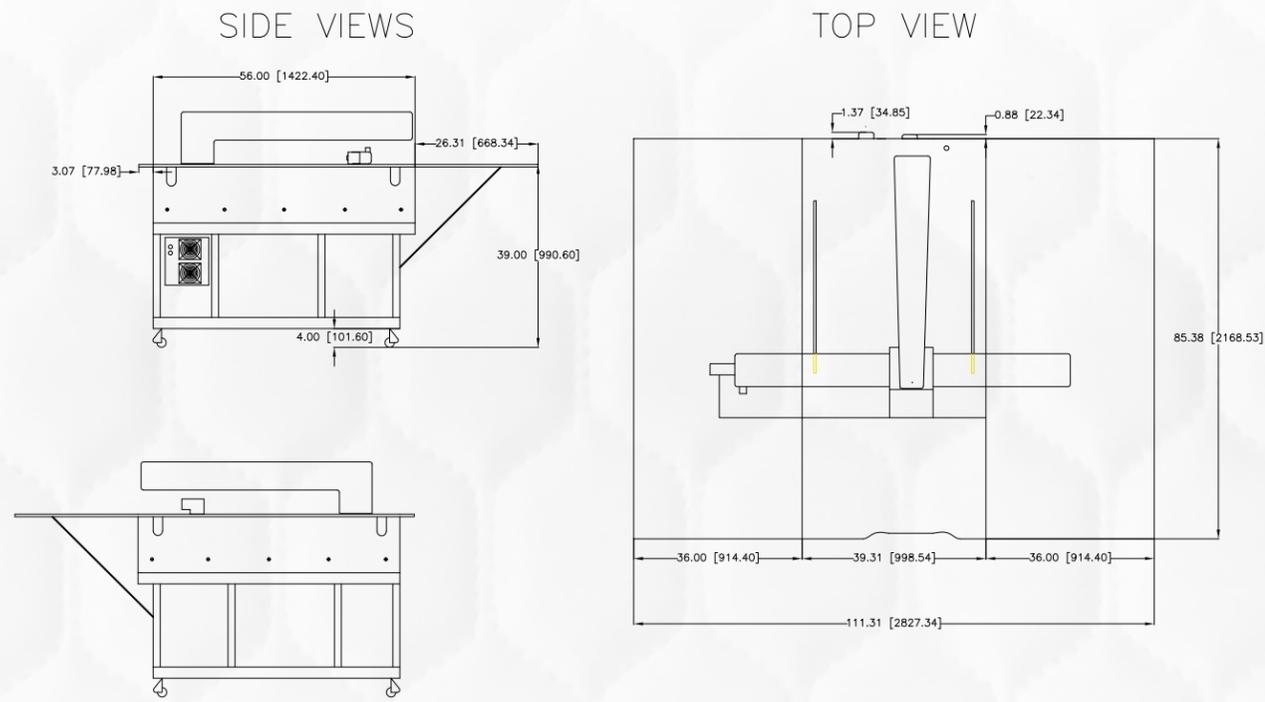


## SCHEMATIC SPECIFICATIONS



# ABM INTERNATIONAL'S CNC QUILTER

Featuring three-axis digital brushless servo control, superior quality patterns, ease of pattern/size changes, and low maintenance operation.



### ABM INTERNATIONAL, INC.

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### ABM INTERNATIONAL WORLDWIDE HEADQUARTERS, HOUSTON TEXAS

ABM International, Inc., headquartered in Houston, Texas has been manufacturing quilting machinery for over 75 years.

At ABM International, we are committed to manufacturing excellence and superior customer service. Let us provide you with the highest quality state-of-the-art quilting machines that will enhance your product, improve your productivity, and ENSURE YOUR SUCCESS!



# CNC QUILTER

ABM International, Inc. manufactures the world's highest production, lowest cost mini CNC computerized quilting machine. With just one operator, the CNC QUILTER can quilt virtually any product up to 48" x 32". This machine is great for quilted furniture, cushions, marine, aerospace and apparel materials. It can quilt leather and vinyl backed by high density poly foam material up to 5/8" thick. It features three-axis digital brushless servo control, providing superior quality patterns, ease of pattern and size changes, and low maintenance operation. Utilizing the unique CNC Quilter material frame system, one operator stretches and racks the materials while the machine simultaneously quilts another panel.

## SPECIFICATIONS

- › HMI industrial grade interface touch panel
- › Industrial grade PC running Windows embedded operating system.
- › 16GB solid state hard drive
- › USB 3.0
- › Max. frame size: 1225mm x 825mm or 48" x 32"
- › Max. sewing line: 1125mm x 725mm or 44" x 28"
- › Max. axis speed: 1,000 IPM
- › Max. sewing speed: 3,000 SPM
- › Machine weight: 3,500 lbs.
- › 220 volts single phase, 10 amps
- › 85 PSI at 2.5 CFM
- › Floor space 9' x 7'
- › 5-20 stitches per inch in continuous mode
- › 2 - 14 Stitches per inch in intermittent mode
- › 0.05mm - 12.7 mm Stitch length
- › Large style "M" bobbin
- › Highspeed lockstitch industrial sewing machine
- › Underbed thread trimmer
- › Thread break detection
- › Thread break recovery system
- › High speed Sercos based digital servo motors and drives
- › X/Y movement by low maintenance ball screw actuators
- › Custom frames with toggle hold down clamps
- › Machine can handle multiple frames of varying sizes
- › Maximum size of frame is 1225mm x 825mm or 48" x 32"
- › Tack and jump capabilities
- › Machines pattern files are either .dxf or .pat
- › One-year standard machine warranty

## BENEFITS

- › The Sewing Head (a fully controlled computer quilting system) is capable of sewing any pattern design.
- › A color Touch Screen user interface using a embedded industrial computer processor allows for user-friendly operation.
- › Equipped with a frame capable of holding a product flat and properly tensioned.
- › Underbed thread trimmer trims both top and bottom threads simultaneously.
- › The user inputs a .dxf of the fixture and stitching pattern. The machine will scan the fixture and pattern drawings and alert the user of collision points. The user can easily set the "no sew" path around the objects or clamps in the needle path. This is required when stitching lines up to the edge of the fabric if the machine needs to move around a clamp without stitching. Then the fixtures and its coordinating patterns are linked and saved in the database.
- › Bar code system easily tracks production and makes certain the correct frame and pattern match
- › Self diagnostics system makes troubleshooting and maintenance a breeze.
- › Digital AC servo motors and drives are maintenance free and last for many years
- › Ball screws for linear motion require no adjustments and make the CNC Quilter the standard of the industry.
- › Automatic lubrication system, automatically lubricates all major components of the sewing machine.
- › The CNC Quilter is the workhorse of the industry and will give you many years of maintenance free operation.
- › U.S. Technicians available 24/7 for remote login and online support.
- › Regional based factory trained technicians are available for installation, and after sales service at your location.

## FEATURES

- › 740 watt high speed Sercos based AC digital servo motors and drives
- › Industrial embedded PC with Windows based operating system
- › Color touch screen operator interface
- › Self diagnostics system

The CNC QUILTER is great for quilted furniture, cushions, marine, aerospace and apparel materials. It can quilt leather and vinyl backed by high density poly foam material up to 5/8" thick.



GM - Corvette Y1BC  
Quilted Headliner



Photo: Clément Bucco-Lechat

Sea Ray  
Quilted Seat

