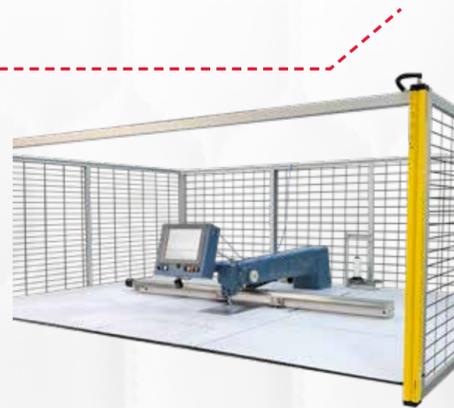


CNC QUILTER

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 63" 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 solid state PC running Windows 10 IOT operating system
 - > 64GB solid state hard drive
 - > USB 3.0
 - > Max. fixture size: 1600mm x 800mm or 63" x 32"
 - > Max. sewing line: Fixture size designed to fit the industry standard 54" rolls of Vinyl and poly-foam
 - > Max. axis speed: 1,000 IPM
 - > Max. sewing speed: 3,000 SPM
 - > Machine weight: 2,200 lbs
 - > 220 volts single phase, 10 amps
 - > 100 PSI at 2.5 CFM
 - > 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
- Optional:
- Automatic Bobbin Changer
 - Laser cutter
 - Vision system for pattern recognition and position accuracy
 - Optional 6' high perimeter safety fencing

FEATURES

- > 740 watt high speed Sercos based AC digital servo motors and drives
- > Industrial grade solid state PC with Windows 10 IOT operating system
- > Color touch screen operator interface
- > Self diagnostics system
- > 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 frame size is 1600mm x 800mm or 63" x 32"
- > Tack and jump capabilities
- > Machines pattern files are either .dxf or .pat
- > 4-year standard machine warranty
- > 25+ FREE patterns included
- > Optional state of the art vision system to sew perforated materials
- > Optional Safety Light Curtain
- > Optional Safety Gating
- > Optional Automatic Bobbin Changer
 - Optional laser cutter
 - Optional Vision system for pattern recognition and position accuracy

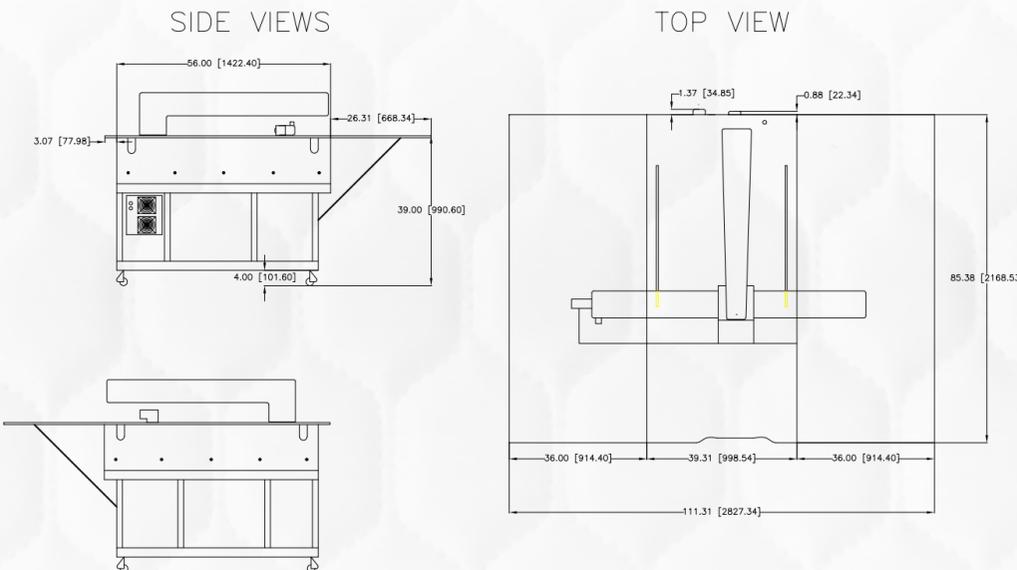
BENEFITS

- > The Sewing Head (a fully controlled computer quilting system) is capable of sewing any pattern design
- > A color Touch Screen user interface using an 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
- > 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
- > 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

www.abminternational.com | (936) 441-4401



SCHEMATIC SPECIFICATIONS



ABM INTERNATIONAL, INC.

P.O. Box 1820
Montgomery, TX 77356

TELEPHONE: (936) 441-4401
TOLL FREE: (888) 99-QUILT
FAX: (936) 597-4410
CONTACT: Contact@abminternational.com
WEB: www.abminternational.com
www.innovalongarm.com



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!

ABM INTERNATIONAL'S

CNC QUILTER

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Optional Vision system for stitching perforated materials, safety light curtain, and safety gating.

Regional based factory trained technicians are available for installation, and after sales service at your location, along with FREE 24/7 customer support!

MARINE



AUTOMOTIVE | FURNITURE | RV



AIRCRAFT

