

MERROW®





Trust

For over 180 years, Merrow has produced industry-leading industrial overlock sewing machines. Customers rely on Merrow to build durable machines that sew the most difficult fabrics with best-in-class service and warranty support. Since 1838, Merrow has supported a growing network of agents and end users, now in over 87 countries. Building value in every stitch is Merrow's mandate while creating value in every relationship is Merrow's business.

Engineering

Merrow produces reliable machines proven to withstand long-term use, harsh environments, and unrelenting wear. Innovations such as ActiveSeam® 3 and dual-seal Marine Layer Coating allow manufacturers to create better products. Every day, a commitment to quality and integrity define what it means to call a machine—or a stitch—a Merrow.



Satisfaction

With over 300,000 machines in operation worldwide, customers use Merrow to produce everything from baby bibs to military uniforms. Merrow's U.S.-based training facility and network of over 400 resellers help every customer realize the potential of their Merrow products. Merrow has created value for thousands of businesses for over a century, and continue to build on a heritage of innovation and partnership.

MERROW®

Manufacturing Industrial Sewing Machines Since 1838

Since 1838, the Merrow Sewing Machine Company has set standards in engineering and quality. Charlie and Owen Merrow carry on the tradition today, modernizing and expanding the eight-generation company. Over the past 15 years, the brothers' advancements have increased global reach and garnered multiple awards, including the 2018 Massachusetts Manufacturer of the Year and the 2017 Constellation SuperNova Award for Technology Optimization. Merrow's generations of innovation and service have built a reputation for excellence that continues to shine almost two hundred years after its founding.



Merrow Stitch Lab™

Looking for the Perfect Overlock Stitch?

From MicroPurl™ to ActiveSeam® to industrial End-to-End solutions-- The Merrow Stitch Lab™ is the only service of its kind, that will build custom Merrow machines specific to your application and deliver machines to your factory of choice. Send us your fabric and project requirements, and we'll sew and return a proof-of-concept.

For knits, wovens, and non-wovens, make your sewn products best-in-class with Merrow because *the stitch matters™*

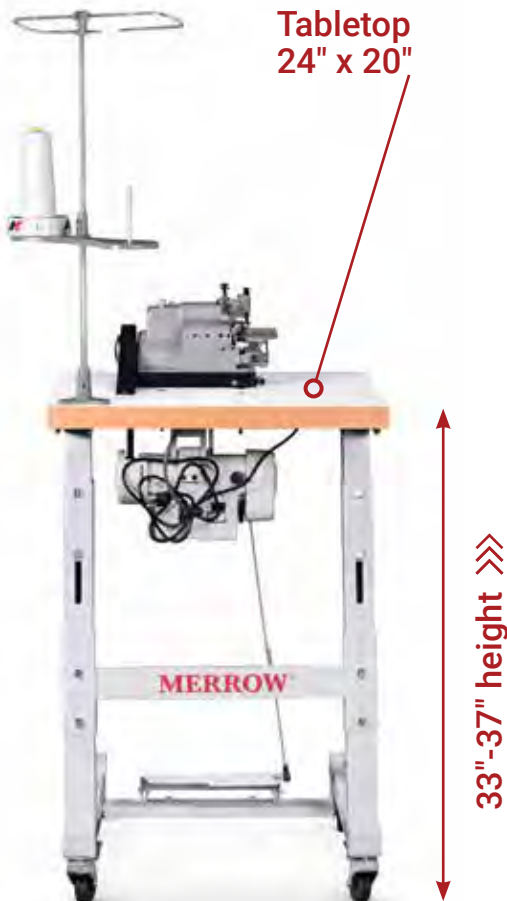
Call +01 508-689-4095 Email stitchlab@merrow.com

FREE shipping available in the U.S.



Helmsman Tables

Compact Sewing Tables for Your Merrow Machine



The Merrow Helmsman Table is designed to be the world's most efficient, reliable, and portable table for all sewing applications. It is the narrowest table on the market and can be used with an air, clutch, or servo motor. Its design is ergonomically friendly, highly transportable, and is customizable to any environment.

Easy to Customize

- Table Top - standard, regular, and submerged options
- Legs - 7 colors available, adjustable Z legs
- Wheels - 4 locking swivel casters, 2.5" or 4" options
- Works with any Merrow machine
- Features Treadle Belt Guard
- **Special ML Coating available for wet environments. See page 30**

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Find the Right Product by Application or Machine Class

Applications



Military

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Lingerie

PG 8



**Patches,
Emblems, Labels**

PG 6



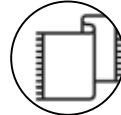
Home Decor

PG 8



**Athletic
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PG 7



Blanket Stitching

PG 9



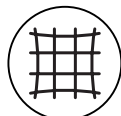
Baby Garments

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PG 7



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**NEW Marine
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PG 30



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**Textile Finishing
70 Class**

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Factory Service

PG 33



**Textile Finishing
71 Class**

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**Turnkey Design
and Development**

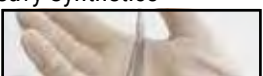
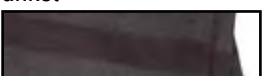
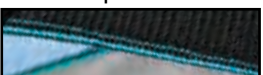
PG 34



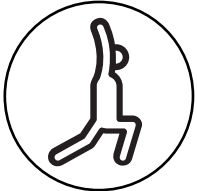
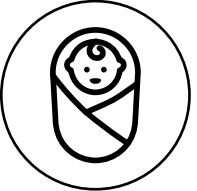
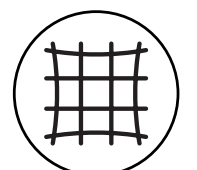
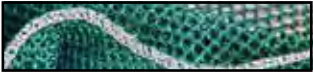
**Textile Finishing
72 Class**

PG 27-28

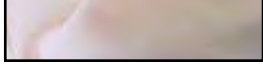
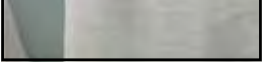
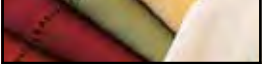
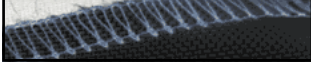
Suggested Merrow Machine by Application

 Military	Spandex 			
	Dri-FIT 			
	Fleece 	APCU ActiveSeam® 	ActiveSeam® 3 MB-4DFO 3 Series	PG 14
	PolarTec® Power Shield® 	Flame Resistant 	MG-3DW-2	PG 18
	Nomex® 	Hem 	MG-3DR	
	Heavy Synthetics 	Overedge 	MG-3DW-7	
	Blanket 			
	Patches 	Hook & Loop Emblem Edge 	MG-3UV	PG 19
	Large Patches 	Wide Emblem Edge 	MG-3UW	
 Patches, Emblems, Labels	Patches 	Standard Emblem Edge 	MG-3U	
	Small Patches 	Narrow Emblem Edge 	MG-3UN	
		Flat Emblem Edge 	MG-2U	
	Hook & Loop Patches 	Hook & Loop Emblem Edge 	MG-3UV	

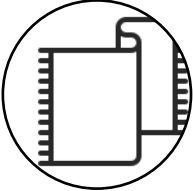
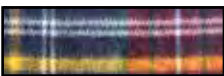
Want more out of your stitch?
 Contact our Stitch Lab™ to make it work for you. More on page 3

 Athletic ActiveSeam®	135g Merino Wool  Schoeller® Soft Shell  Polyester  Circular Knit  195g Merino Wool  Polartec® 	ActiveSeam® 3 Series   	ActiveSeam® 3 MB-4DFO 3 Series	PG 14
 Baby Garments	Cotton, Polyester  Terry Cloth  Knits  Fleece-lined Denim  Fleece 	ActiveSeam® 3 Series  Medium Weight Overlock  Shell  Crochet 	ActiveSeam® 3 MB-4DFO 3 Series MG-3DW-2 MG-4Q-60 18-E	PG 14 PG 18 PG 16 PG 21
 Netting, Mesh	Large Netting  Small Mesh 	Rolled Overlock  Flat Overlock 	MG-3DRGE-7 MG-3DGE-7	Contact Merrow PG 20

Energize your design with Merrow's expertise!
Contact our FREE Stitch Lab™ to start building your project today.

 Women's Garments	Chiffon  Cotton  Socks 	MicroPurl™  Purl Stitch  Shell 	MG-2DNR-1 Micro MG-2DNR-1 MG-3Q-3	 PG 16
	Hosiery 	Toe Closing 	MG-4D-60	<i>Contact Merrow</i>
 Lingerie	Gossamer  Silk  Crepe  Satin 	MicroPurl™  Rolled Hem  Purl Stitch  Rolled Hem  Lightweight Overlock 	MG-2DNR-1 Micro MG-2DNRL MG-2DNR-1 MG-3DRWL MG-3DW-2	PG 16 <i>Contact Merrow</i> PG 16 PG 18 PG 18
	Chiffon  Sheer  Linen, Cotton  Microfiber  Terry Cloth 	2-Needle Structural  Lightweight Curtain Hem  Purl Stitch  Medium Weight Overlock  Overedge 	MG-4D-60 MG-2DR MG-2DNR-1 MG-3DW-2 MG-3DR	<i>Contact Merrow</i> PG 18 PG 16 PG 18 PG 18

Are you against the clock?
 Get answers *today* with our **Stitch Lab™!** (page 3)

 Medical	Micro Fabrics 	Overedge 	MG-2DN-RM	PG 16
	Polyester 	ActiveSeam® 3 	ActiveSeam® 3 MB-4DFO 3 Series	PG 14
	Stretch Material 	Overedge 	MG-3DE	PG 20
		Overedge 	MG-3DE-7	PG 20
 Blanket Stitching	Wool, Heavy Fleece 	Flat 	1/2 in. Crochet 	18-E PG 21
	Woven 	Rolled 	1/4 in. Overedge 	MG-3DE-7 PG 20
	Flat 			

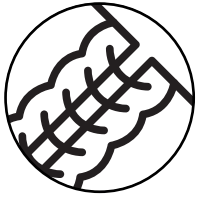
Merrow Stitch Lab™

In a competitive industry, speed to market is critical. Don't let a design problem slow you down. Take advantage of Merrow's decades of experience in product development.

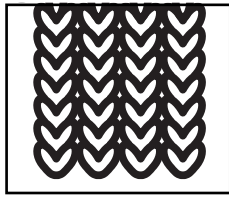
Contact the Stitch Lab™ today to accelerate your production process.

[Read more on page 3](#)





End-to-End Seaming



Knits

Mattresses



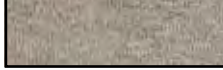
Butted Seam



MG-1DM

Contact
Merrow

Jersey



Tubular Knits



Butted Seam



71-1D-7

PG 26

Fleece



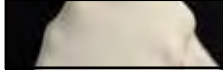
Butted Seam



71-1D-2

PG 26

Stretch Nylon



Butted Seam



72-D3B-2

PG 28

Tricot



Loose Knit

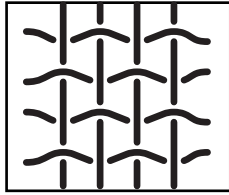


Rolled Seam



72-D3B-2 R

Contact
Merrow



Wovens

Denim



Butted Seam



Treated / Laminated



Butted Seam



70-D3B-2
Marine Layer
Coating

70-D3B-2
Marine Layer
Coating

PG 24

Linen



Butted Seam



70-Y3B-2

Cotton Duck / Canvas



Butted Seam



70-D3B-2

Geotextile



Butted Seam, Locked



70-D3B-2 LS

PG 24

Fiberglass



Gabardine Wool



Rolled Seam

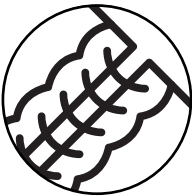
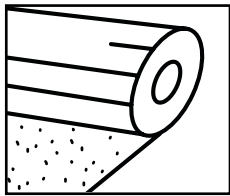
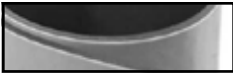
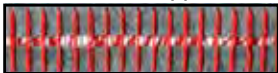
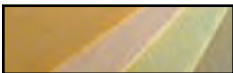
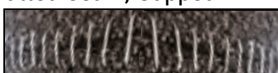


72-D3B-2 R

Contact
Merrow

Loose Woven



 End-to-End Seaming	 Non-Wovens	Rubber 	Butted Seam, Gapped 	70-D3B-2 G	PG 24
		Geotextile 	Rolled Stitch 	72-D3B-2 HP	PG 28
		High-Pile 	Butted Seam 	70-D3B-2 HP	<i>Contact Merrow</i>
		Filter/Foam 	Butted Seam, Gapped, Automated 	70-D3B-2 RAIL	PG 24
		Vinyl Leather 			
		Fiberglass 	Butted Seam, Locked 	70-D3B-2 LS	PG 24
			Rolled Stitch 	72-D3B-2 R	PG 28
		Ripstop Stretch Nylon 	Butted Seam 	72-D3B-2	PG 28
		Carpet 	Butted Seam, Gapped 	72-D3B-2 HP	

Optimize End-to-End Seaming with a Continuous Process

Customize a Railway System for your 70, 71, or 72 Class Machine - see page 29

The Stitch Matters™

Merrow's Stitch Lab™ will make sure the stitch is right - see page 3

ActiveSeam® 3

A Revolutionary New Stitch

The first branded stitch, ActiveSeam® is a series of technically-superior seams. Proven 30% stronger than flatlock, ActiveSeam® features a unique stitch configuration that stretches the full length and width of fabric. ActiveSeam® 3 represents the newest development in production solutions.



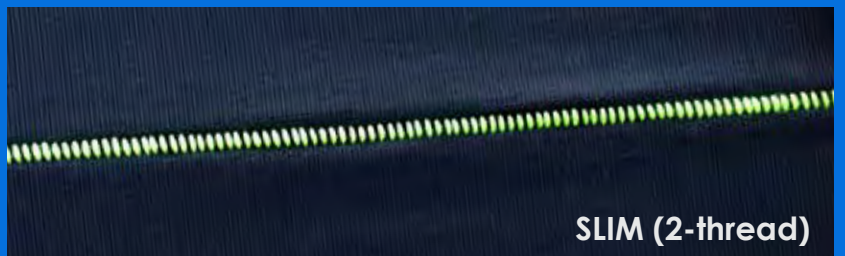
What's New

- High-lift and differential feed easily handles thick, multi-layer, and difficult fabrics
- Improved feed system joins different-textured fabrics including non-wovens and neoprene
- New stitch width and needle options for medium- to heavy-weight materials
- Fully production-ready solution



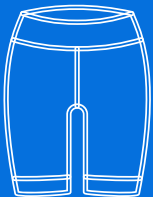
30% Stronger
than Flatlock

activeseam[®] 3

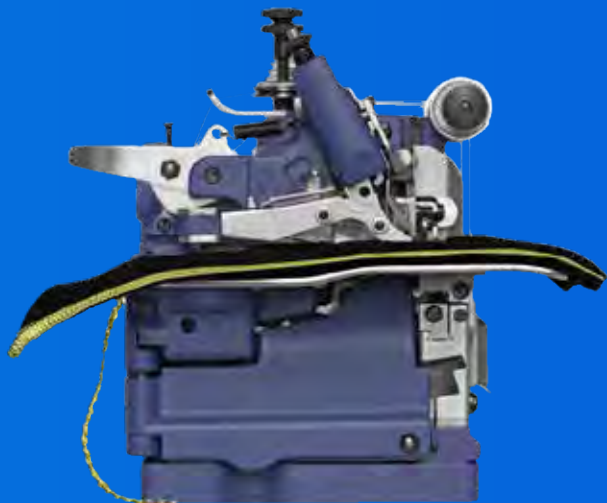


Applications

- | | |
|--------------------|-------------------|
| Medical Braces | Athletic Uniforms |
| Safety Gloves | Yoga Apparel |
| Insulating Sleeves | Wetsuits |
| Shapewear | Base Layer |
| Maternity Wear | Hunting Gear |



High-lift cams and differential feed system allow for better handling of thick, multi-layer, and difficult materials.

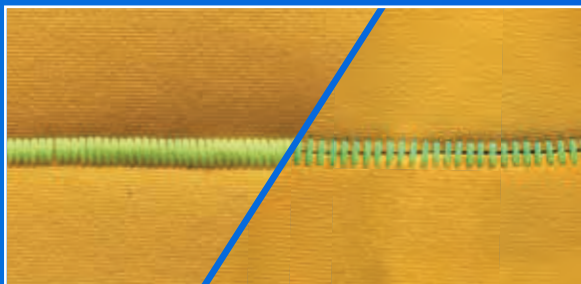


ActiveSeam® 3

Technical Specifications

Seam Type	521
Seam Width	3/32" - 5/16" 2.5 mm - 8 mm
Operating Speed	5500 rpm
Stitch Eccentric	10-40 spi
Threads	2-3
Installation	Non-submerged Submerged

pricing upon request



**1 Machine,
3 Unique stitch configurations,
12+ Design options**



Thread and stitch differentiation
allow for optimal customization

MB-4DFO-3 Production Series

One machine with three unique stitch configurations and over twelve design options

Two- or three-thread, double row differential machine with cutters for seaming light- to heavy-weight material

2.5 mm minimum stitch width— ActiveSeam® 3 features a lower-profile aesthetic compared to a flatlock stitch

A double row of feed dogs allow for increased material handling and more consistent feed of material

Built-in differential SPI (stitches per inch) settings keep seams consistently flat and reduce letting

High-lift cams create increased clearance between presser foot and needle plate, allowing easier processing of thick, multi-layer material and cross seams

**Want to know how ActiveSeam® 3
can work for your product?**

Contact our Stitch Lab™ for help. See page 3

Ask about full production set-ups

Chain cutter
Automatic presser foot lifter
Pneumatic waste
Needle positioner
Direct Drive
and more!



Decorative Class

Decorative Design. Unmatched Precision.

Direct Drive
Available



MG-2DNR-1

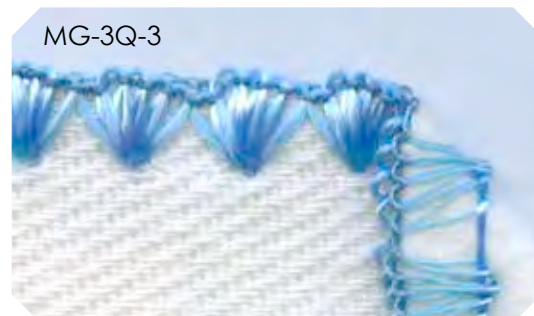
For the Most Delicate Stitch

Merrow's decorative edging machines offer the smallest, tightest edging available. The MG-Class NR and Q series handle mid-weight to fine fabrics with precision, delicacy, and sophistication. The elegance of the Purl, MicoPurl™ and Shell stitches create a refined edging effect on any delicate material. Meeting at the intersection of engineering and art, no other sewing machines can match the delicacy of these specialty stitches.

MG-2DNR-1 Micro



MG-3Q-3



Narrow Rolled Overedge



NR SERIES

Technical Specifications

Seam Type	502
Seam Width	1/32" - 3/32"
Operating Speed	5500 rpm
Stitch Eccentric	14-30 spi
Threads	2

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller

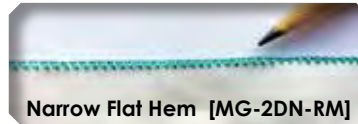
MG-2DNR-1 MICRO

Narrow Rolled Hem [1/32"]

Two-thread differential feed machine producing a very narrow, micro-rolled overedge
[MicroPurl™ Stitch]

Applications

Lingerie, table linens, bridal, handkerchiefs, medical



MG-2DNR-1

Narrow Rolled Hem [1/16"]

Two-thread differential feed machine producing a very narrow rolled overedge
[Purl Stitch]

Applications

Lingerie, sleepwear, blouses, curtains,

MG-2DN-RM

Narrow Flat Hem [1/32"]

Two-thread differential feed machine with guide in lieu of cutters producing a very narrow and delicate edge

Applications

Medical, intimate garment tags

Shell Stitching



Q SERIES

Technical Specifications

Seam Type	505
Seam Width	3/16" - 1/4"
Operating Speed	5500 rpm
Stitch Eccentric	3-6 shells/inch
Threads	3

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller

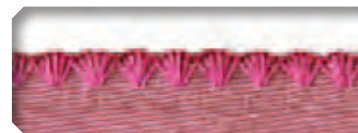
MG-3Q-3

High-Speed Shell Stitching

Three-thread machine with special gear-driven feed mechanism producing tight a 3/16" six prong shell stitch

Applications

Baby blankets, children's wear, shawl collars, women's hosiery, bibs, and burp cloths



MG-4Q-60

Two-Needle Shell Stitching

Similar to the MG-3Q-3, but sews with two needles, allowing for the use of two different colored needle threads and a 1/4" shell

Applications

Baby blankets, children's wear, shawl collars, women's hosiery, bibs, and burp cloths



Merrow MG-Class

Advanced Design. Premium Build Quality.

Direct Drive
Available



MG-3DGE-7

Because The Stitch Matters™

Nothing sews like a Merrow. Fitted with our proprietary barrel cams, the MG-Class features a precise needle throw and small tolerances, so stitches are tight, uniform, and beautiful. From production of heavy outerwear to detailed seaming of netting and mesh, the MG-class delivers the world's most versatile overlock stitch.



MG-Class Cams

Standard Overlock



Technical Specifications

Seam Type	504
Seam Width	1/16" - 3/16"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	3

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller

MG-3DW-2

Light- to Medium-weight Overlock

Similar to the MG-3DW, arranged with extra wide cutters and coarse feeds for thicker fabrics

Application

Seaming or edging **LIGHT to MEDIUM** woven and knit fabrics



Light



Medium

MG-3DW-7

Medium- to Heavy-weight Overlock

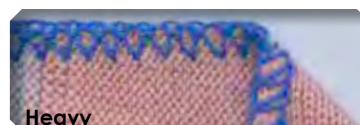
Seams/edges heavy material with increased looper extension

Application

Seaming or edging **MEDIUM to HEAVY** woven and knit fabrics



Medium



Heavy

Rolled Overedge



R SERIES

Technical Specifications

Seam Type	503, 505
Seam Width	3/32" - 5/32"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2-3

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller

MG-3DR

Rolled Overedge [5/32"]

Three-thread, single row differential feed machine producing a rolled edge on bath and table linens

Applications

Towels, dishcloths, napkins, washcloths, blankets



Washcloth [MG-3DR]



Nightgown [MG-3DRWL]



Dishcloth [MG-2DR]

MG-3DRWL

Rolled Down Edge [3/32"]

Three-thread rolled-down edging machine with special presser foot finger and parts for sewing lightweight fabrics

Applications

Women's sleepwear, lingerie, blouses, sheer curtains

MG-2DR

Folded Down Edge [3/32"]

Two-thread machine with special needle plate and presser foot finger for folding edges down on light material

Application

Folded edge on lightweight curtain material

Emblem Edging

MG CLASS



Technical Specifications

Seam Type	505
Seam Width	1/16" - 5/16"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2-6

Production Setup Options

- (priced individually) :
- Needle positioner
 - Non-submerged or submerged table
 - Chain cutter
 - Auto presser foot lifter
 - Pneumatic waste system

MG-3U T NEW thread tension release system



MG-3U (STANDARD)

Standard Emblem Edge [3/16"]

Three-thread, special foot and feed for exceptionally tight and uniform emblem overedge

Applications

Emblems, badges, patches, and insignia



Narrow



Wide



Hook & Loop



Flat

MG-3UN

Narrow Emblem Edge [1/16"]

Similar to the MG-3U with a smaller stitch tongue for narrower stitch formation on smaller patches

MG-3UW

Wide Emblem Edge [5/16"]

Sews a wider 5/16" emblem edge on larger patches

MG-3UV

Hook & Loop Emblem Edge [3/16"]

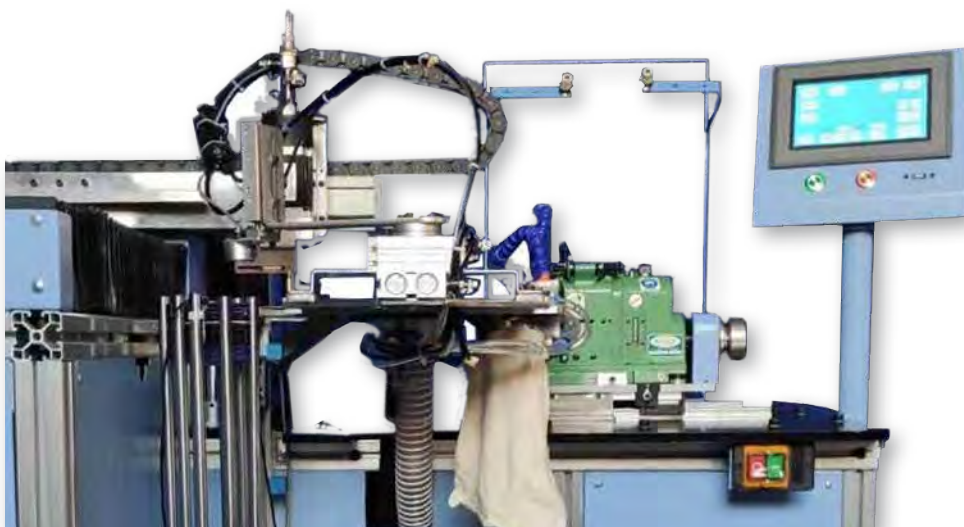
Three-thread machine with specially adapted feed system to prevent take-up of hook-and-loop-backed patches

MG-2U FLAT

Flat Emblem Edge [5/32"]

Two-thread machine, sews a flat finished edge on patches

Automatic Emblem Edging



Fully-Automatic Emblem Edging

The emblem edging machine turns patch production into a fully automated process. With its hands-free operation, this machine automatically feeds, trims, and counts emblems. Update your production today!

Applications

Emblems, badges, patches, and insignia



Automated

Technical Heavy Edging



Technical Specifications

Seam Type	505
Seam Width	3/16"-1/4"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	3

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller

MG-3DE [3/16"]

Heavy Overedge Machine

Three-thread machine without cutters for overedge finish on elastic knit fabric. Can be arranged to fold elastic inserts within the stitch

Applications

Surgical hose, glove cuffs, medical support garments



Elbow Pad



Girdle

MG-3DE-7 [1/4"]

Heavy Overedge Machine

Similar to the MG-3DE, but with a high lift setup for handling heavy material

Applications

Bandages, knee pads, elbow guards, medical support garments



Glove Cuff



Knee Brace

MG-4D-G500 [3/16"]

Glove Cuff Edging

Two-needle, four-thread machine for cuffing heavy gloves. Fourth thread strengthens seam and reduces pucker.



Glove Cuff

Netting

MG-3DGE-7

Seaming of Netting & Mesh

Single needle, three-thread, single row differential feed machine for side-seaming mesh bags. MG-3DGE-7 available for rolled stitch.

Applications

Laundry bags, athletic equipment, netting, mesh

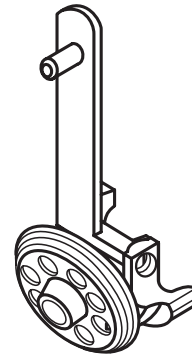


FLAT MG-3DGE-7

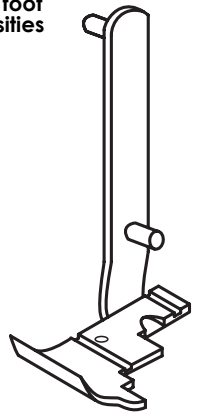


ROLLED MG-3DGE-7

Can be fitted with either a wheel foot or presser foot for various mesh densities



MG-3DGE-7 WF
Wheel Foot



MG-3DGE-7 FF
Fixed Presser Foot

Production Setup Options (priced individually) :

- Non-submerged or submerged table
- Auto presser foot lifter
- Pneumatic waste system
- Needle positioner
- Metering device
- Chain cutter
- Puller



Technical Specifications

Seam Type	514
Seam Width	5/32"
Operating Speed	5500 rpm
Stitch Eccentric	4-40 spi
Threads	2

Merrow 18-Class

Premium Crochet Stitching

Direct Drive
Available



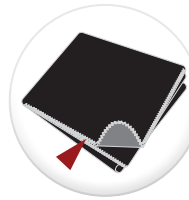
18^{CLASS}

Technical Specifications

Seam Type	Crochet
Seam Width	3/8" - 1/2"
Operating Speed	1000 - 1400 rpm
Stitch Eccentric	4-10 spi
Threads	1
Installation	Table Top



Fleece/Knit Outerwear



Fleece/Knit Blankets



Bathing Suits

Models



18-E

1/2" Flat Crochet

Produces a 3/8" - 1/2" wide flat crochet stitch adjustable from 3 to 8 stitches per inch

Applications

Fleece blankets, wool blankets, knit outerwear



18-G

Flat Crochet on Light Material

Similar to style 18-E, but fitted with special parts that allow the 18-G to apply a crochet edge to light bathing suit material

Applications

Lightweight blankets and outerwear



18-A

1/2" Rolled Crochet

Equipped with a folding device that turns the material within the stitch formation

Applications

Fleece blankets, wool blankets, knit outerwear, felt boot tops



18-S

1/2" Mirrored Crochet

Similar to style 18-E, but fitted with special parts that create a crochet stitch that is identical on both sides of the garment

Applications

Fleece blankets, wool blankets, knit outerwear

Merrow Training

FREE Factory Training Sessions in Fall River

Become a Merrow machine expert at our Fall River facility with one-on-one sessions taught by our master technicians, as well as regularly scheduled group trainings. Learn machine maintenance, threading, and stitching techniques for a variety of materials.

[View our training calendar under Events on our facebook page](#)



Merrow Marketing

Tee shirts, stitch books,
additional catalogs,
select banners, graphic assets

Available upon request

[Contact sales@merrow.com](mailto:sales@merrow.com)



Merrow 70-Class

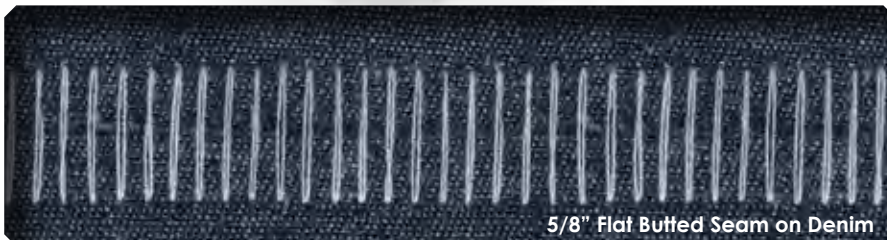
The Most Versatile Platform of Industrial Machines for
End-to-End Joining of **WOVEN** and **NON-WOVEN MATERIAL**

TEXTILE FINISHING



70-D3B-2 LS

70-Class cams
Merrow's 70-Class cams have been designed to operate continuously between 2200 and 5500 rpm, with tight tolerances to resist heat and wear while running.



5/8" Flat Butted Seam on Denim

Wovens & Non-Wovens

The Merrow line of 70-Class machines are the simplest, most dependable, and most durable means of joining material in a continuous process. Over its near 40-year existence, the 70-Class has been the platform that textile finishing facilities rely on when butt seaming material end-to-end.

70-CLASS

Technical Specifications

Seam Type	501
Seam Width	5/8"
Operating Speed	2250 rpm
Stitch Range	4-12 spi
Threads	1

Production Setup Options (priced individually) :

- Helmsman table
- Needle positioner
- Automated railway or semi-auto. railway
- Auto presser foot lifter
- Pneumatic waste system



70-D3B-2

70-D3B-2

The Standard for End-to-End Seaming

- Sews a wide (5/8") and flat, butted seam
- Simple to implement, operate, and service
- Seams in any environment

Stitch Multiplier

Strength at the Selvages

Non-differential feed machine fitted with manually operated lever for doubling the stitch count instantly

Applications

For added strength at material selvages



70-Y3B-2



70-D3B-2 LS



Locked Seam

Permanent Butted Seam

Two-Thread, differential feed machine that sews a permanent locked seam

Applications

Napping processes, geotextiles, fiberglass

Gapped Seam

5/8" Flat Gap Stitch

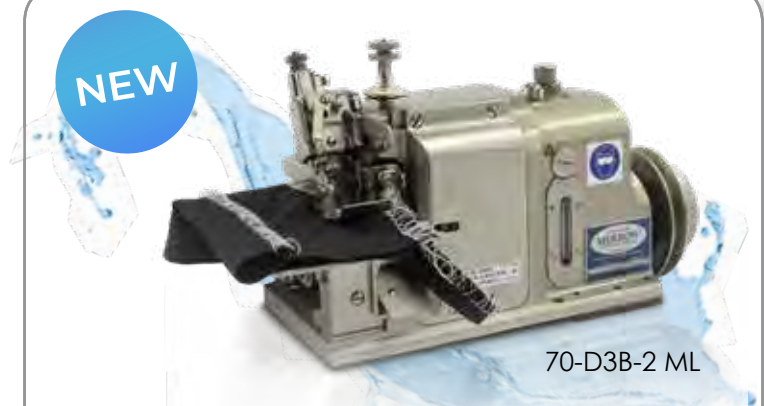
Differential feed machine configured to sew a 1/8" space between ends of joined fabric

Applications

Thicker and non-overlapping material, seam detection, drainage



70-D3B-2 G



70-D3B-2 ML

Marine Layer (ML) Coating

Wet Environment Seaming

New Coating with Twice the Protection!

Added protection for end-to-end machines in extreme environments. Coating helps defend against rust and corrosion caused by caustic substances used in manufacturing.

All Merrow equipment is now available with ML coating to further defend against rust, corrosion, and wear.

Available for all 70, 71, 72 class machines

Applications

Bleached, mercerized, laminated, and treated fabric

[See more on page 30.](#)

Protects Against

Salt
Biodegradable dye
Hydrogen peroxide
Caustic soda
Acetic acid

Merrow 71-Class

HIGH SPEED Joining of KNIT FABRIC

TEXTILE FINISHING



71-Class cams have specially-milled grooves to seam at 4000 rpm on knit fabric.



71-1D-7



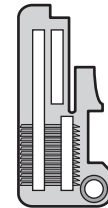
Lightweight Knit



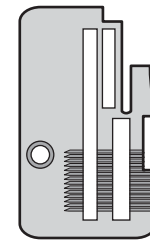
Medium-Weight Knit



70-D3B-2



71-1D-2



71-1D-7

The needle plates of the 71-Class machines have significantly smaller stitch tongues to prevent the rolling of material and create an effective narrow seam ideal for circular knits.

Knits

The Merrow 71-Class is built for joining knit fabric at high speed. Using specially designed cams, the 71-1D-2 and 71-1D-7 will seam a 3/8" stitch at 4000 rpm. Durable and reliable in factory settings, 71-Class machines are the best choice for wet and dry high-speed circular knit end-to-end joining.

71-CLASS

Technical Specifications

Seam Type	501
Seam Width	3/8"
Operating Speed	4000 rpm
Stitch Range	4-20 spi
Threads	1

Production Setup Options (priced individually) :

- Helmsman table
- Needle positioner
- Automated railway or semi-auto railway
- Auto presser foot lifter
- Pneumatic waste system

71-Class Models

71-1D-2

Dry High-Speed Seaming

Single-needle, one-thread, double-row feed machine with cutters to join light-to medium-weight dry knit material. ML Coating option available for wet environments.



71-1D-7

Dry, High-Speed, High-Lift Seaming

Single-needle, one-thread, double row feed machine with cutters to join medium- to heavy-weight dry knit material. ML coating option available for wet environments.



NEW

Marine Layer (ML) Coating

Wet Environment Seaming

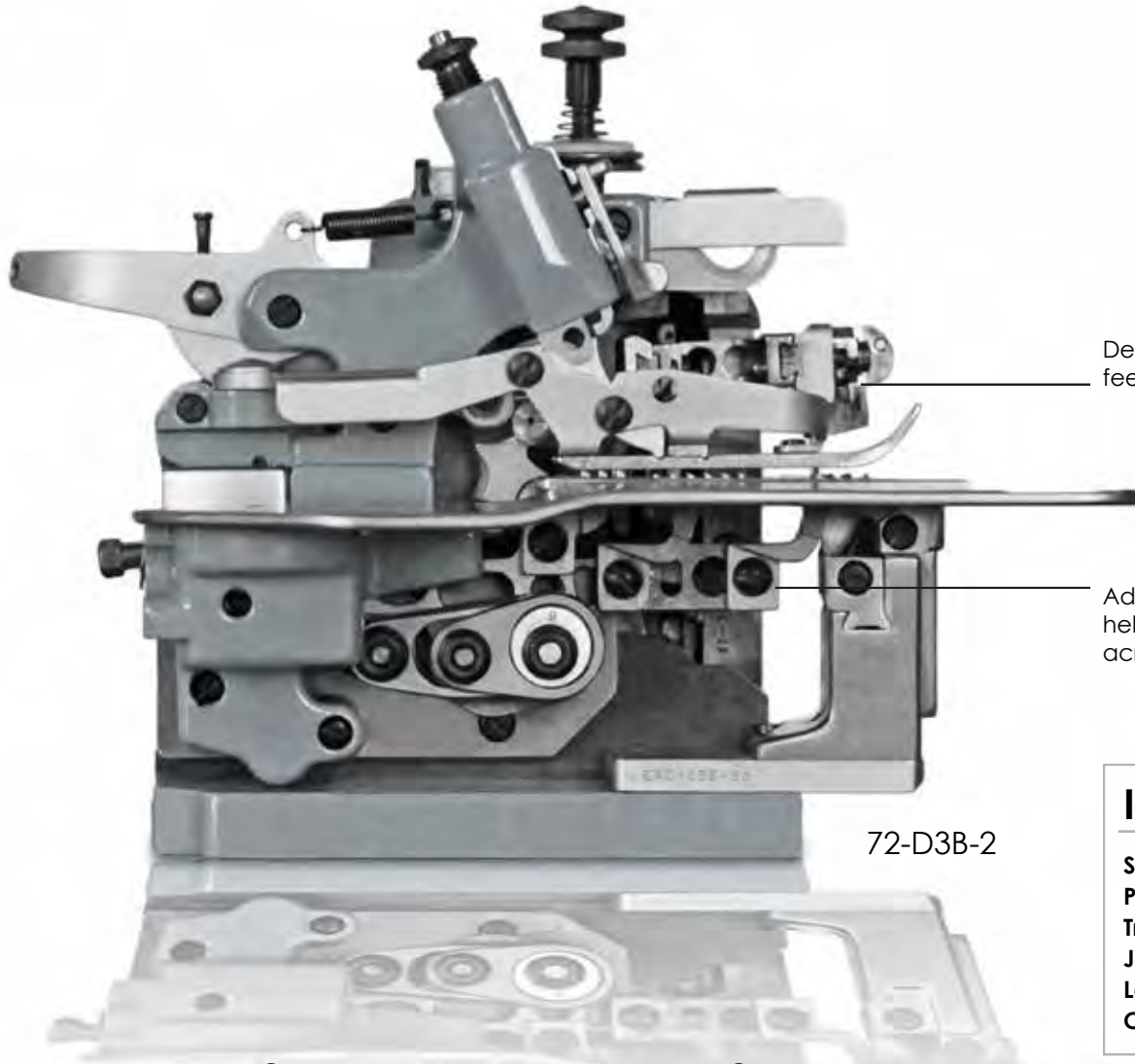
New Coating with Twice the Protection!

Added protection for 70, 71, 72-class machines to defend against wear caused by moisture and caustic substances. See page 30.

Merrow 72-Class

For Joining Difficult Materials

TEXTILE FINISHING



Designed with an extended feed system

Additional feed dog helps material pass across the work surface

72-D3B-2

Ideal For

Stretch nylon
Polyester fleece
Tricot
Jersey knit
Loose knit & wovens
Carpet

Superior Material Handling

The 72-Class takes the reliability and toughness of the 70-Class and adds a more robust feed system to handle hard-to-join materials. With forward mounted cutters (72-D3B-2) and a specialized device to create rolled seams (72-D3B-2 R), the 72-Class solves the most difficult joining challenges.

72-CLASS

Technical Specifications

Seam Type	501
Seam Width	5/8"
Operating Speed	2250 rpm
Stitch Range	4-20 spi
Threads	1

Production Setup Options (priced individually) :

- Helmsman table
- Needle positioner
- Automated railway or semi-auto. railway
- Auto presser foot lifter
- Pneumatic waste system

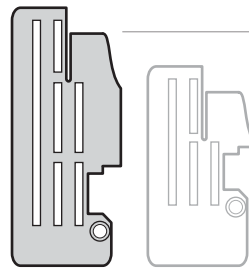
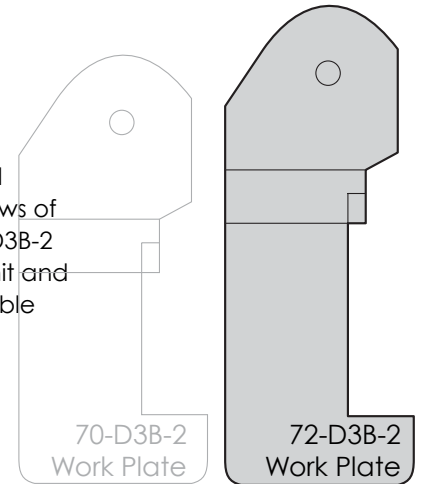
72-Class Models



72-D3B-2

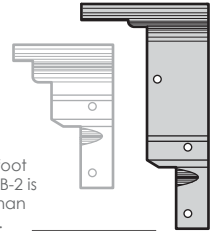
Joining Difficult Fabrics

Designed with an extended cutting system and three rows of feed dogs, the Merrow 72-D3B-2 is ideal for joining difficult knit and woven piece goods. Available with Marine Layer Coating for improved wear and rust resistance. See page 30.



The 72-D3B-2 has a larger needle plate and additional feed dogs.

The presser foot of the 72-D3B-2 is 50% larger than the 70-Class.



NEW

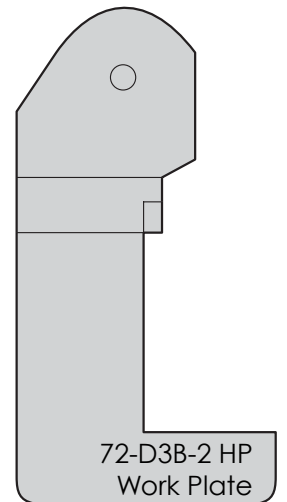
Marine Layer Coating is available for Merrow 72-Class machines to protect against caustic substances. Read more on page 30!

TEXTILE FINISHING

72-D3B-2 HP

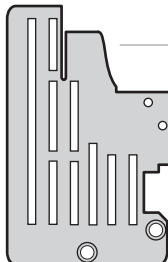
Joining Extreme High-Pile Wovens and Non-Wovens

Two-thread differential feed machine configured with high-clearance feed and looper throw to handle extremely thick material like faux fur, roller nap, and plush knits. ML Coating option available for increased durability against caustic chemicals. See page 30.



72-D3B-2 HP

70-D3B-2

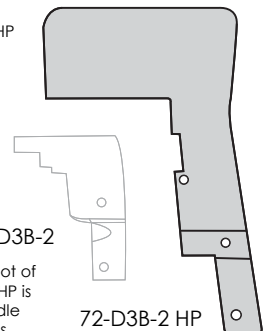


The 72-D3B-2 HP has a larger needle plate and 6 rows of feed dogs.

70-D3B-2

The presser foot of the 72-D3B-2 HP is larger to handle thick materials.

72-D3B-2 HP

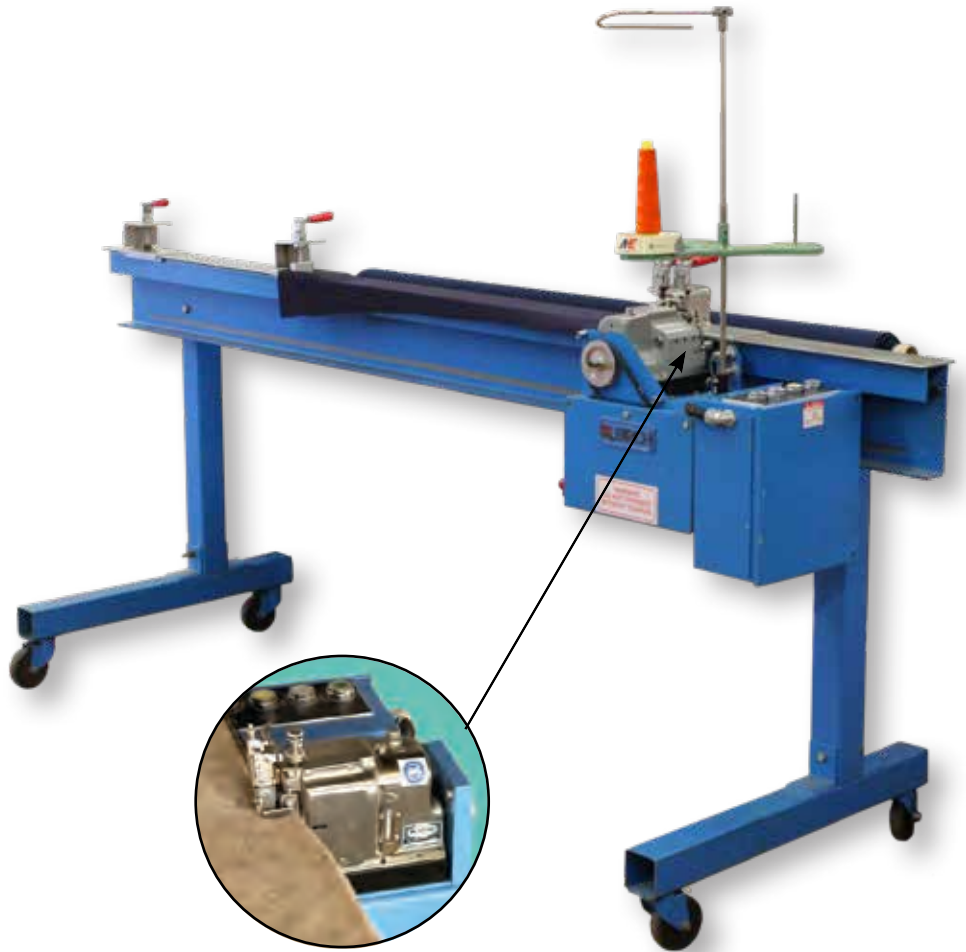


Railways

Large-Format Material Handling for End-to-End Seaming

Use With

- 70 class
- 71 class
- 72 class
- Wovens
- Non-wovens
- Knits
- Automated
- Accommodates up to 30 ft/9 m width



A railway system completely automates production, providing straighter and faster end-to-end seaming. The belts, pulleys, clutches, rack gear, and carriage wheels of older machines have been eliminated for simplified maintenance, saving time, material, and money.

Features

- Positive Carriage and Head Drive to maintain feed rate
- AC Variable Speed Drive to change stitch or stitch multiplier easily
- Choice of selvage clamps or pins
- Swing-out for looper adjustments

Add-Ons

- Automatic stitch multiplier control
- Fully-Enclosed, Fan-Cooled Motor
- Automatic Air Clamp
- Tek-Matic Waste Remover
- Foot-Operated Truck Locks

Merrow Marine Layer (ML) Coating

Protection for Merrow Equipment

NEW



Above: 70-D3B-2 with ML Coating,
Helmsman Table with ML Coating,
Pneumatic Air Motor

This ensemble runs smoothly, quietly, and requires no electricity. All three products are approved for wet environments, resisting wear and rust for years.

Marine Layer Coating protects Merrow machines from hazardous chemicals, further extending their lifespan. This revolutionary coating for industrial machines adds a second layer of protection that prevents caustic chemicals from penetrating interior layers. Engineered with the same technology used in industrial boat manufacturing, this coating is designed for extreme environments.

MARINE LAYER COATING

Protects Against

Caustic soda
Biodegradable dye
Salt
Hydrogen peroxide
Acetic acid

Ideal For

Dyehouses
Finishing plants
Textile processors

Use With

70 class
71 class
72 class

Genuine Merrow Spare Parts

The ONLY Way to Ensure Flawless, Lasting Operation

GENUINE PARTS



Needle Plates

- **105 Variations available**
- Hand-polished stitch tongues
- .003 tolerance between plate and machine



Needle Carriers

- Deliver 92 machine strokes per second without bearings
- **Designed in tandem with Needle Carrier Links and Merrow Needles for flawless stitching**



Loopers

- Manufactured and tempered for bending **Merrow machines require looper bending**
- Hand-filed
- **Designed in sets for high precision between upper and lower pairs**



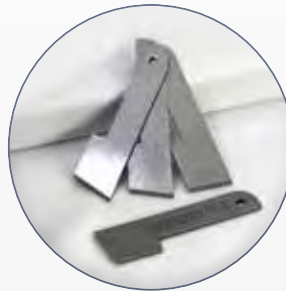
Looper Carriers

- Allow perfect timing between intersection of loopers and needles
- **.016 margin between carrier and cams**
- Machined from high-chromium steel



Feed Dogs

- **Over 200 types available**
- Coarse, fine, rubber
- Single or double row
- Accommodate various fabric weights and characteristics



Cutters

- 65 Different styles available
- Wide, narrow, carbide, serrated
- Machined with heat-treated, high-carbon steel
- **Longer-lasting, more precise cutting**



Eccentrics

- Forged from high-chromium bar stock
- Durable enough to operate at 5500 rpm without error
- **Allow adjustment from 2-100 spi**

Each and every part on a Merrow machine is replaceable. We have over 2,000,000 parts in stock to ensure that your Merrow machine lasts a lifetime.

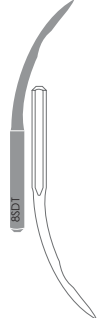
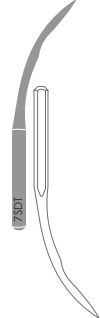
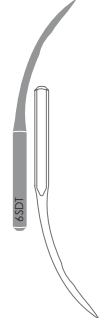
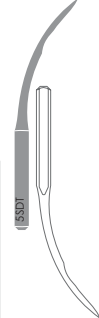
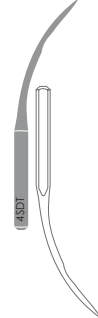
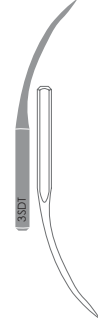
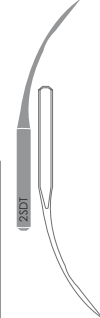
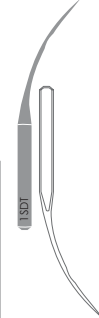
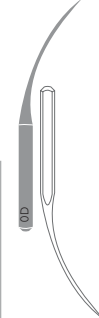
Merrow Warranty

All new Merrow machines carry a 10-year warranty, though they are expected to run for decades with routine care.

- 1-Year standard limited warranty for all sewing machines for manufacturing, assembly defects
- 10-Year limited warranty on sewing machine frames and internal cams

Merrow Needles

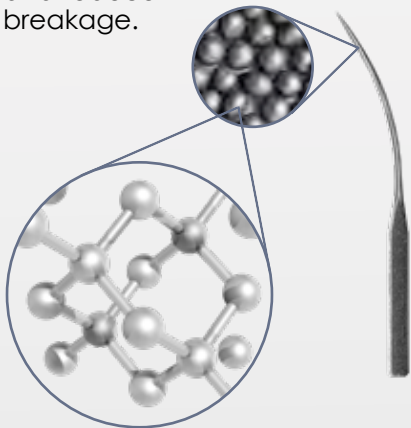
Premier Needles for Overlock Machines

											
Merrow Size	8	7	6	5	4	3	2	1	0	00	000
Millimeters	150	130	120	110	100	90	80	70	65	60	55
Titanium Coating Available	■	■	■	■	■	■	■	■	■	■	■
KOOLTORR® Coating Available				■		■					
Variations in Point, Blade, and Eye Available					■	■	■	■	■	■	■

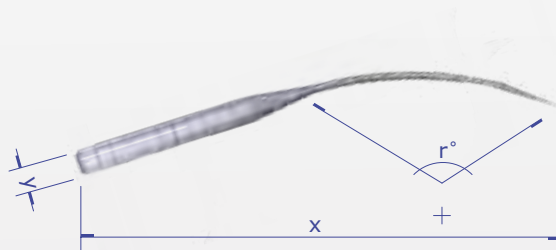
GENUINE PARTS

High-Grade Material

High-grade, tempered carbon steel and chrome plating maximize warp resistance and reduce breakage.



Exacting Fabrication



All Merrow needles are engineered to within one one-thousandth of an inch, and strict quality control measures during manufacture ensure that each needle is made to the same exacting standard.

Specialized Coatings



TITANIUM plating reduces friction, making it resistant to intergranular corrosion from high temperatures.



KOOLTORR® coating resists high thermal gradients and oxidation, preventing embrittlement and fracturing.

Merrow Factory Service

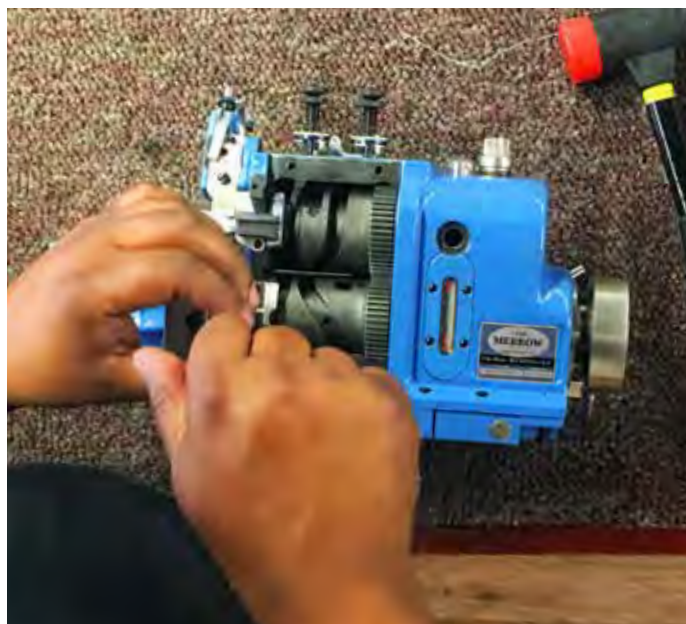
The Best Way to Maintain Your Merrow

How it Works

What You Receive

- 1 Contact Merrow to Request Service**
Email service@merrow.com or call +01 508-689-4095.
- 2 Ship Your Machine to the Merrow Factory**
We provide certified-safe packaging and you send your machine with the included prepaid shipping label.
- 3 We Inspect Your Machine Thoroughly**
Your machine is disassembled, cleaned, and evaluated by our technicians. Any damaged parts are tagged for replacement.
- 4 We Repair and Test-Run Your Machine**
Your machine is reassembled with brand-new loopers, cutters, needles, and any other necessary parts.
- 5 We Promptly Return Your Machine**
After ensuring your machine works perfectly, we repackage and send it back, ready for production.

- FREE**
Shipping in the US
- COST INCLUDES**
New loopers, cutters, needles
- EXPERT**
Diagnosis and repair by Merrow technicians



Turnkey Design & Development

Concept to Production-Ready Soft Goods

Apparel, Industrial, and Medical Garments

At Merrow's 300,000 square foot, six-acre campus in Fall River, MA, you get a full-service, concept-to-production experience. Over two hundred technical stitchers and a team of expert soft good designers develop and build apparel, medical, and industrial products. Comprehensive project management assures quality, expediency, and predictability in your production process. Choose full package domestic production or à-la-carte design and development services.

Call +01 508-689-4095 Email design@merrow.com

Features

- Full-package design, development, and production based in the USA
- Strong, Berry-compliant supply chain

Location

- 3 hours from New York, NY
- 1 hour from Boston, MA
- 20 minutes from Providence, RI

Applications Include (but are not limited to)

- Medical compression
- Lingerie
- ActiveSeam®-certified prototyping and production

Supports Technical Production Including

- Merrow Activeseam®
- Flatlock
- Coverstitching
- Bar tacking
- Automated Mitsubishi sewing
- Automated Lectra® cutting and more.

Over 1,500 sewing machines available

- Plate carriers
- Soft and hard-shell jackets
- Bras
- Next-to-skin Products
(Base layer, shapewear, yoga apparel)





MERROW® CAMPUS IN FALL RIVER

Building on 180+ years of industry expertise and innovation in textiles, Merrow continues to set the standard from their 6 acre, 300,000 square foot campus in Fall River, Massachusetts. The Merrow campus is a local and international technology hub for production, design, instrumentation, and education in sewn products.

The Merrow campus is one of the largest sewing and soft goods facilities in the United States. It is home to Merrow Sewing Machine Co., Workforce Training, the TIGIR Business Incubator, Merrow Manufacturing, and Merrow Retail. Book your visit to Fall River today, and learn about the many ways Merrow can create value for your business.

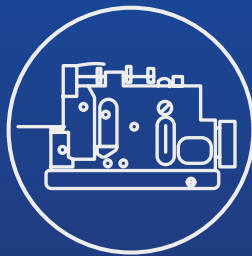
VISIT THE MERROW CAMPUS AND COLLABORATE WITH US!



TECHNOLOGY



COMMUNITY



SEWING



MANUFACTURING



BUSINESS

Merrow Sewing Machine Co.
502 Bedford Street
Fall River, MA USA 02720

PHONE +01 508-689-4095
FAX +01 508-689-4098
EMAIL sales@merrow.com

Thank You for Choosing
MERROW®
Manufacturing Industrial Sewing Machines Since 1838