

NFM[®]

Narrow Fabric Loom

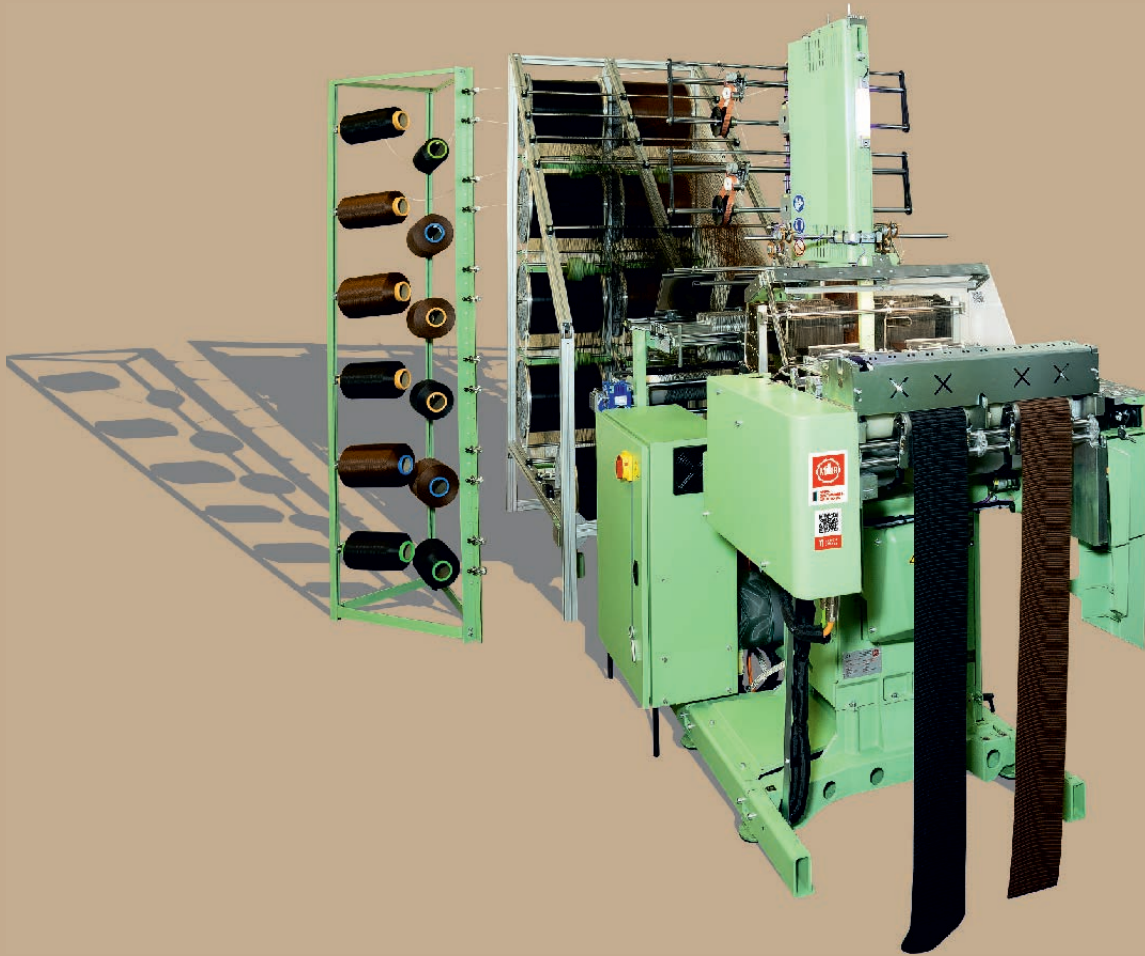
for light to medium-weight elastic and non-elastic narrow fabrics in all yarn qualities



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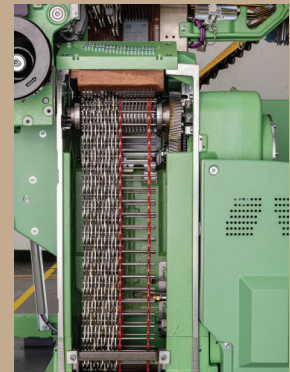
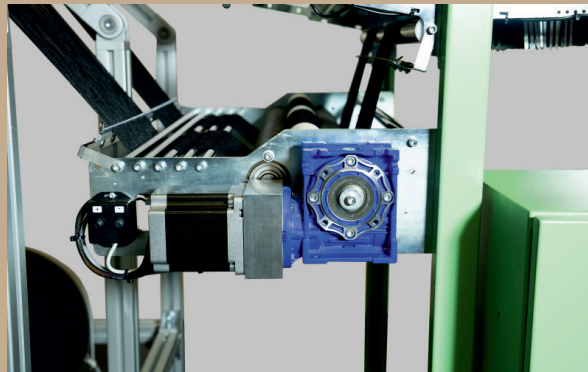
NFM®



NFM® 53 2/130 S1



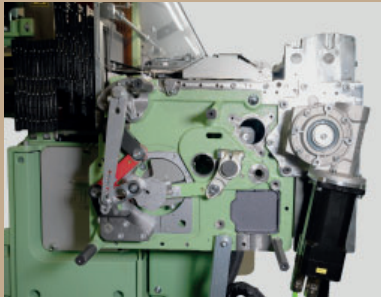
Electronically controlled drives



Shedding motion

Narrow Fabric Loom

NFM® the latest narrow fabric needle loom generation is offering universal operational possibilities and options. The NFM® series "Made in Switzerland" represents a synonym for effectiveness, cost-efficiency and operational safety.



Adjustable latch needle drive



MÜDATA® M series



Smart warning signal lamp



Features

- Modular design – modifications and enlargements/extensions/conversions possible at any time
- Fully electronic drives for weft, binder and catch thread as well as rubber feeding and take-off device
- Modern control platform MÜDATA® M → network ready, with simple and intuitive machine operation



Advantages

- High-performance, exceptional operational safety and outstanding user-friendliness
- Optimal tension control through electronically controlled thread transports suitable for virtually all yarn types
- Possibility of articles with combined weft densities through electronically controlled fabric take-off
- High machine efficiency due to electronic setting of drives and devices
- High flexibility through adjustable positioning of the latch needle shaft as well as combined binder thread cam for easy setting of various weaving systems



Applications/Options

- Elastic and rigid ribbons, tapes and light webbings for technical applications, garment accessories (underwear and lingerie, bra straps, edging tapes), spacer fabrics, curtain tapes and many others
- Prepared for MDW® for new applications, such as functional and smart textiles
- To be easily connected to mymuenet®



Benefits

- Faster and more precise, reproducible setting of the machine parameters through electronically controlled drive systems (weft and auxiliary threads drive systems (weft density/ fabric take-off) – 50% time savings compared to conventional narrow fabric needle looms
- High productivity – 20-30% higher production speed compared to conventional needle looms
- Broader range of applications through increased, torque monitored fabric take-off – up to 40% higher take-off force compared to conventional narrow fabric needle looms
- Faster change-over to different weaving systems through combi curve for catch thread drive – abt. 50% time savings compared to conventional needle looms.

Technical Specifications

Base models	NFM® 53 and NFM® 80													
Weaving head version	18	27	27	27	27	42	42	66	66	66	84	84	130	130
Number of weaving heads														
- NFM® 53	10	4	6	8	-	6	-	2	4	-	2	-	2	-
- NFM® 80	-	-	-	-	12	-	8	-	-	6	-	4	-	4
Weaving systems	S1, S2i, S3, S5, Z4, Z5 and many more													
Weft insertion from	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Weft density range	4-120 picks / cm													
Max. heald frame number	20													
Repeat lengths	Cam: 1:8; pattern chain: 1:8 / 18-48													
Space requirement in mm	NFM® 53:	L x W x H = 1675 x 905 x 1970 (with rubber transport, without warp rack)												
	NFM® 80:	L x W x H = 1680 x 1140 x 1970 (with rubber transport, without warp rack)												

In general the NFM stands for a high versatility in use of materials and articles
Therefore the following special devices, accessories and additional weaving systems i.e. for curtain tapes, safety belts and many other applications can be also equipped on the NFM.

Special devices and accessories

- Weft needle with hard metal rings for a longer service life
- Special parts for heavier fabrics/articles incl. reinforced fabric take-off
- Rubber tensioning device
- Positive rubber transport
- Various designs of fabric conveyor and ribbon winding devices
- Thermofixation Mütherm
- Brake rollers for weaving from cones, mechanically and electronically (EBRT)
- Electronically controlled warp beam drive (EKAST)
- MDW® device for smart and functional textiles

Weaving systems

Z5/S5, Z6, Z7 (incl. Z72B/K-Z74B/K), Z9 (Z92B/K-Z94B/K), 3N (3 weft needles), Z10 and Z10S3



mymueller



mymuenet®

mymuenet®



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