

**NFM®**

# Narrow Fabric Loom

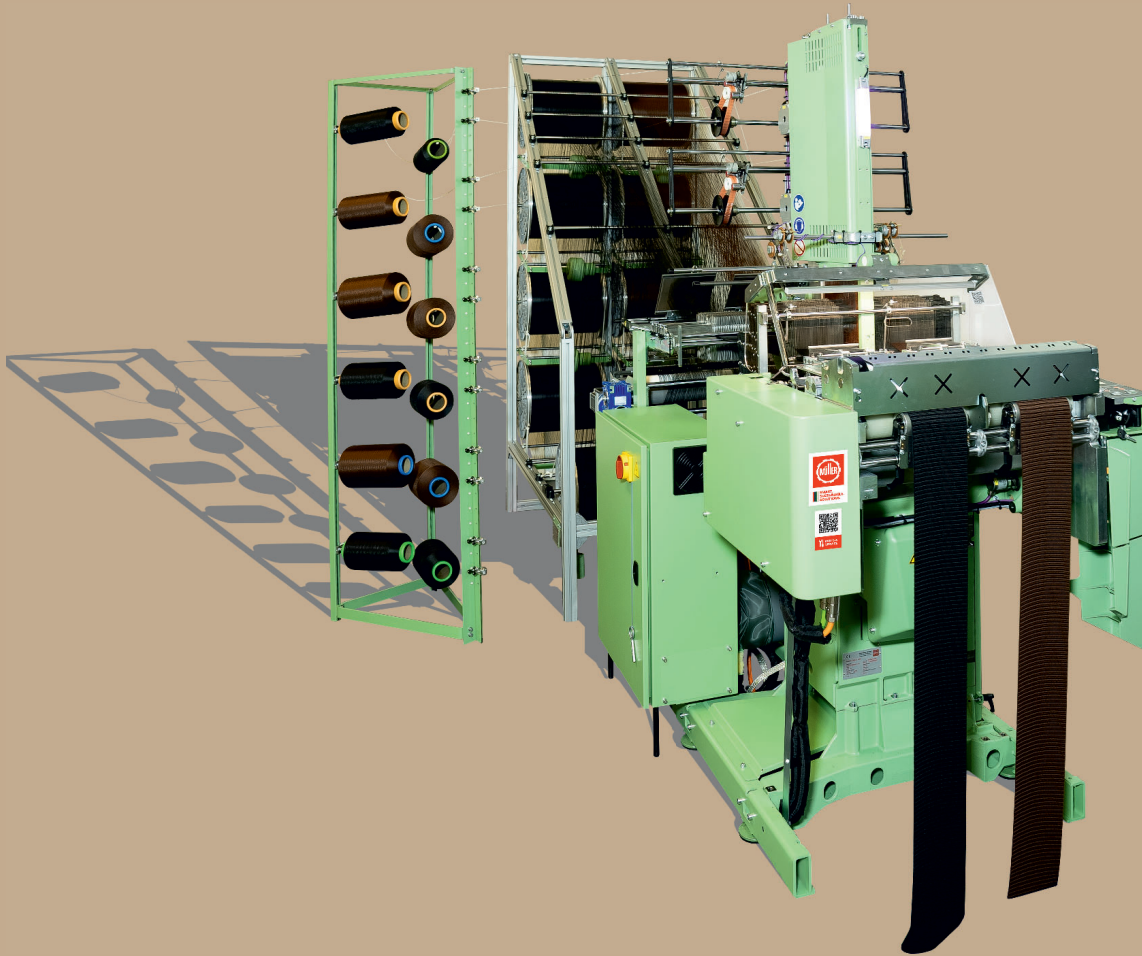
for light to medium-weight elastic and non-elastic narrow fabrics in all yarn qualities



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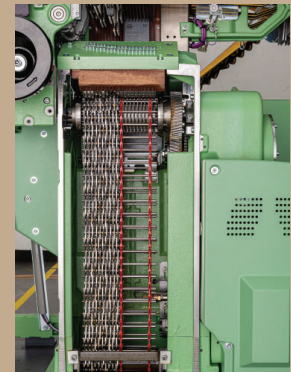
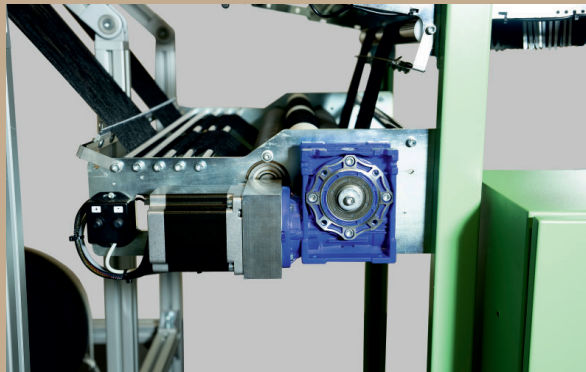
# NFM<sup>®</sup>



NFM<sup>®</sup> 53 2/130 SI



Electronically controlled drives

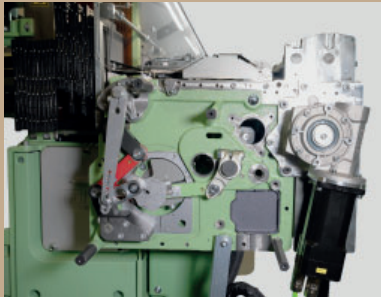


Shedding motion



# 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 feed, 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	14	16	18	1-	16	1-	12	14	1-	12	1-	12	1-
- NFM® 80	-	1-	1-	1-	12	1-	18	1-	1-	16	1-	14	1-	14
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**



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