

**NFMJ**

# Narrow Fabric Loom

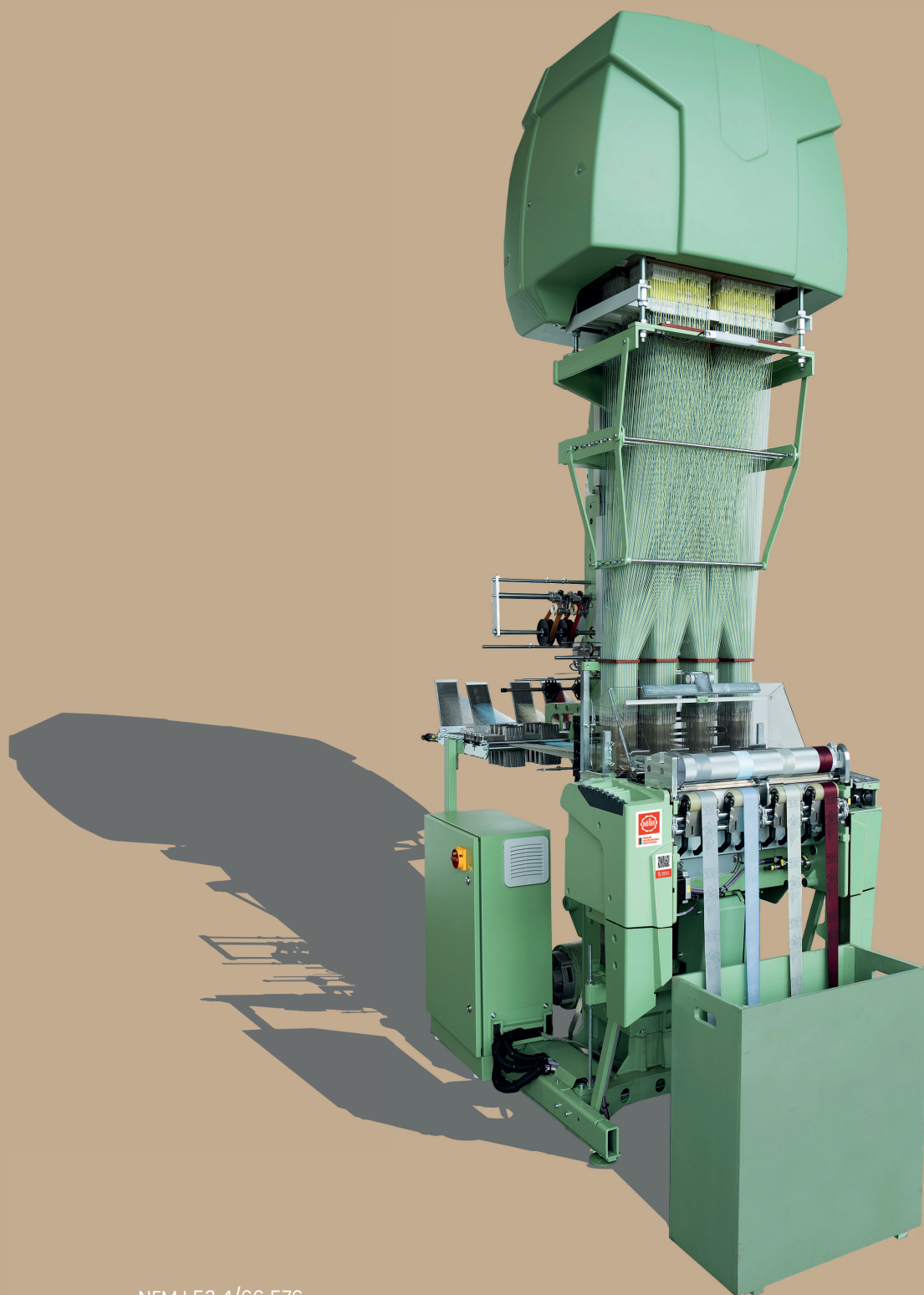
electronically controlled for elastic and non-elastic light to medium-weight narrow fabrics, for warp effect Jacquard ribbons, trimmings, belts, decorative articles, etc.



**JAKOB MÜLLER  
GROUP**

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# NFMJ



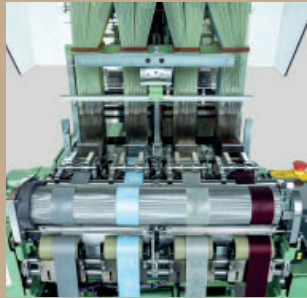
NFMJ 53 4/66 576

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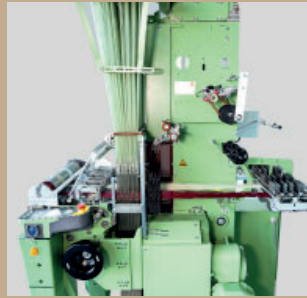
The NFMJ is based on the latest and proven narrow fabric needle loom generation of NFM® and is fitted with the electronically controlled SPE3 192, SPE3 384, SPE3 576, SPE3 768 or SPE3M 1536 Jacquard machine. Like the NFM®, the NFMJ series "Made in Switzerland" represents a synonym for effectiveness, cost-efficiency, operational safety and is designed for universal applications and in particular is employed for the production of elastic and non-elastic, light to mediumweight narrow fabrics with inwoven motifs such as names, logos and fashionable, decorative designs with a warp effect.



Newly developed SPE3 576  
on NFMJ platform



Weaving area with  
tape / ribbon take-off



Heald frame and harness drive with electronically  
controlled weft and binder transport



Control unit  
MÜDATA® M Series



## Features

- Based on NFM® platform with all relevant features
- Modular design – conversions and enlargements/extensions of the Jacquard device can be implemented at any time → i.e. NFMJ SPE3 192 to NFMJ SPE3 384; NFMJ SPE3 192 or NFMJ SPE3 384 to NFMJ SPE3 576
- Fully electronic drives for weft, binder and catch thread as well as rubber feeding device 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
- High machine efficiency through electronic setting of drives and devices
- Improved harness angle for many harness variations and extended harness life
- Virtually endless repeat length due to electronic Jacquard control functions with up to 1536 hooks and up to 12 heald frames for patterns with high-resolution
- Simple design and article change by using a USB interface



## Applications/Options

- Elastic and rigid ribbons, tapes and light webbings for technical applications, garment accessories (underwear and lingerie, bra straps, etc.) and many others
- Fast and safe pattern design programming via MÜCAD pattern design software
- To be easily connected to mymuenet®
- Available with a 13.3-inch high resolution touch screen display with 1600 x 900 pixels



## 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 binder thread drive – abt. 50% time saving compared to conventional needle looms

# Technical Specifications

Base models	NFMJ 53 and NFMJ 80												
Weaving head version	18	27	27	27	42	42	66	66	66	84	84	130	130
<b>Number of weaving heads</b>													
- NFMJ 53 SPE3 192	10	6	8	-	6	-	2	4	-	2	-	2	-
- NFMJ 53 SPE3 384	10	6	8	-	6	-	2	4	-	2	-	2	-
- NFMJ 53 SPE3 576	-	6	8	-	6	-	2	4	-	2	-	2	-
- NFMJ 53 SPE3 768	-	-	-	-	6	-	2	4	-	2	-	2	-
- NFMJ 80 SPE3 192	-	-	-	12	-	8	-	-	6	-	4	-	4
- NFMJ 80 SPE3 384	-	-	-	12	-	8	-	-	6	-	4	-	4
- NFMJ 80 SPE3 576	-	-	-	12	-	8	-	-	6	-	4	-	4
- NFMJ 80 SPE3 768	-	-	-	-	-	8	-	-	6	-	4	-	4
- NFMJ 80 SPE3M 1536	-	-	-	-	-	-	-	-	6	-	4	-	-
<b>Weaving systems</b>	S1, S2i, S3, S5, Z4, Z5 and many more												

<b>Weft insertion from</b>	→	→	→	→	→	→	→	→	→	→	→	→	→
<b>Weft density range</b>	4-120 picks / cm												
<b>Max. heald frame number</b>	12												
<b>Repeat lenghts</b>	Pattern chain: 1:8/18-32												
<b>Jacquard machine types</b>	SPE3 192 (max. number of installed hooks = 192) SPE3 384 (max. number of installed hooks = 384) SPE3 576 (max. number of installed hooks = 576) SPE3 768 (max. number of installed hooks = 768) SPE3M 1536 (max. number of installed hooks = 1536)												
Space requirement in mm (machines with rubber transport, without warp rack)					<i>length</i>	<i>width</i>	<i>height</i>	<i>min. room height</i>					
	NFMJ 53 with SPE3 192				1740	915	2921	3171					
	NFMJ 80 with SPE3 192				1750	1145	3130	3380					
	NFMJ 53 with SPE3 384				1740	915	3170	3420					
	NFMJ 80 with SPE3 384				1750	1145	3170	3420					
	NFMJ 53 with SPE3 576				1740	915	3170	3420					
	NFMJ 80 with SPE3 576				1750	1145	3170	3420					
	NFMJ 53 with SPE3 768				2695	1025	3330	3580					
	NFMJ 80 with SPE3 768				2695	1150	3330	3580					
	NFMJ 80 with SPE3M 1536				2510	2085	3995	4243					

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