

Electronically controlled narrow fabric looms

NFRE...ED / NFJM2...ED / NFJK2...ED

for elastic and non-elastic, light to medium-weight tapes with
Jacquard-pattern warp effect and endless repeat lengths



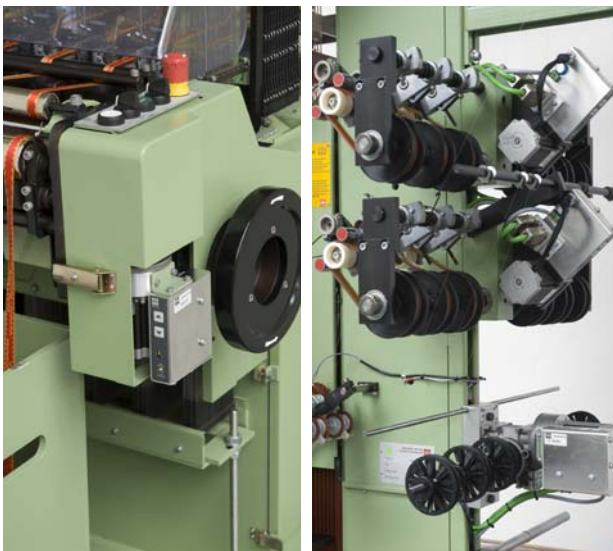
NFRE...ED / NFJM2...ED / NFJK2...ED

Concept

The tension control of all or as many threads as possible is an enormously important factor in tape weaving. Jakob Müller AG has accounted for this objective with the development of its NFRE...ED, NFJM2...ED and NFJK2...ED needle looms. All machines are based on the NFRE, NFJM2 and NFJK2 loom concept, which has been proven over many years. However, the transport for weft, binder and locking thread and the fabric take-off are all powered by electronically controlled stepper motors.

Applications

Elastic and non-elastic tapes with interwoven motifs such as names, trademarks and fashionable decorative images with warp and picot effects. With the NFJM2...ED, patterning is achieved with 4-12 heald frames and 192 jacquard functions, while the NFJK2...ED uses 768 jacquard functions and the NFRE up to 20 electronically controlled heald frames.



Electronically controlled stepper motor for the regulator (left) and the weft and binder thread transports (right)

Special features

- Machine drive with an efficiency class 1 motor and frequency inverter
- Simple weaving speed regulation
- Adjustment of the weaving speed to the pattern or the yarn to be used without time losses
- Electronically controlled stepper motor for the regulator
 - Weft densities of 8-120 wefts per cm (resp. 4-80 wefts/cm)
 - Any weft density variations within a pattern provide articles with combined weft densities
 - Greater efficiency and time savings as the change of gear on the take-off for weft density changes is no longer required
- Electronically controlled stepper motor drive for the weft, binder and locking thread transports
 - Reproducible settings of the thread feed simultaneously on all thread let-offs without machine stops
 - Production of two differing tape widths possible using two weft thread drives
 - Slight width variations and corrections possible
 - Picot effects possible on the weft insert side

Control

MÜCAN controls with the MÜDATA®C-series, which offer simple operation by means of a touch screen and pictograms.

Technical data

Max. reed width(mm)	18	27	27	33	42	42	45	50R	54	66	66
No. of weaving heads											
NFRE42 ED	-	6	-	-	-	-	4	-	4	2	-
NFRE53 ED	-	6	8	-	6	-	-	6	-	4	-
NFJM2 53 ED	10	6	8	-	6	4	-	6	-	4	2
NFJM2 80 ED	-	12	14	12	8	-	-	-	-	6	-
NFJK2 53 ED	-	6	8	-	6	4	-	6	-	4	2
NFJK2 80 ED	-	-	-	-	8	-	-	-	-	6	-
Weaving systems	I / II / III / V / Z3 / Z4 / Z5 / Z6 / Z10										

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**Fascination of Ribbons and Narrow Fabrics
Innovation in Machinery**

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