



## NG3.1

Latest needle weaving loom generation  
with a highly versatile heald frame  
motion designed for high speeds

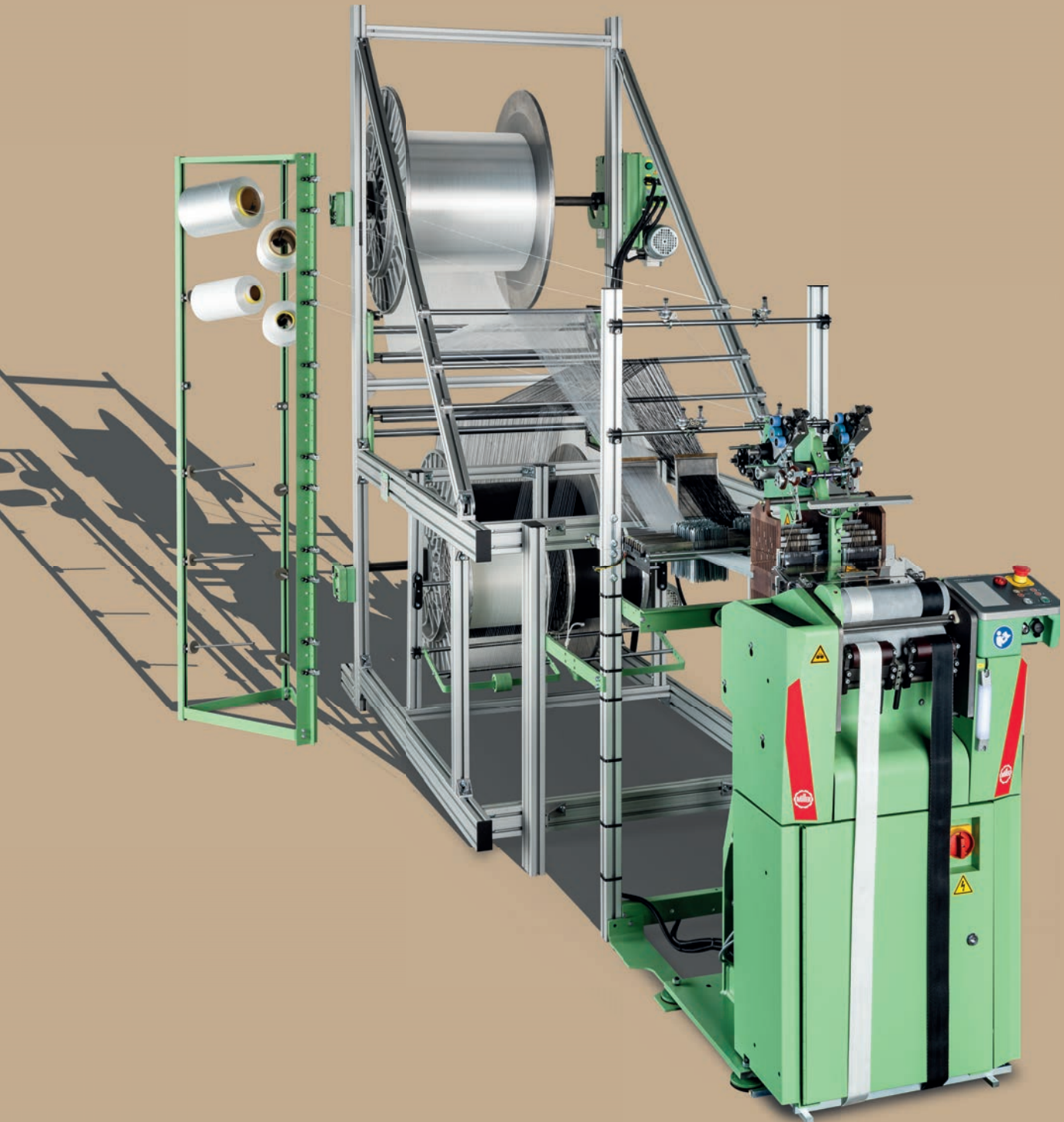
for medium - heavy tapes and belts



**JAKOB MÜLLER  
GROUP**

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# NG3.1



NG3.1 28 G

# Latest needle weaving loom generation with a highly versatile heald frame motion designed for high speeds

NG3.1 is the latest generation of needle weaving looms. The heald frame motion and the technology of the heald frame traction, as well as the heald frames and healds, are designed for high speeds up to 2750 min<sup>-1</sup>. The NG3.1 is synonymous with outstanding state-of-the-art technology, efficiency, cost-effectiveness and operational safety.



NG3.1 28G with electronically controlled take-off.



MÜDATA® M-series on the machine.



## Features

- High speeds up to 2750 min<sup>-1</sup> through a highly innovative heald frame motion technology
- Weft feeding, compensation and monitoring of the weft thread guarantee high fabric quality and reduced down-times
- Powerful main drive (3kW IE2) with holding brake for articles in the medium-heavy range
- Network ready MLC control system includes the MÜDATA® M-series



## Advantages

- High productivity with speeds up to 2,750 min<sup>-1</sup>
- Stepless speed adjustment during machine operation
- High and repeatable fabric qualities
- Clear and straightforward operation and supervision
- Machine design without superstructure provides good accessibility



## Applications

- For medium-heavy tape and belts and high-quality requirements such as car safety belts, lashing straps



## Benefits

- Up to 5% energy savings compared to the previous model NG3
- New MLC control system includes the MÜDATA® M series with touch screen, newest operating system, modern layout for a simple and intuitive operating structure

# Technical Specifications

Base model	NG3.1 28 G
Weaving head version	66
Number of weaving heads	2
Weaving systems	S1, S2, S3, S5, Z5/S5 (GR2)
Weft density range	2.9 - 14 picks / cm
Heald frame number	8, 12 or 16
Repeat lengths	cam 1.8, chain link 24-48
Space requirement in mm	L x W x H = 1355 X 710 x 1500 (without warp rack)

## Special devices and accessories

- Monofilament weft transport for coarser weft yarns in place of standard weft transport (MÜTRANS3)
- Weft transport with steel variator discs in place of plastic variator discs for increased durability at higher speeds
- Weaving shafts: Execution NGV3 in place of NG resulting in increased durability of healds and weaving shafts



## Website



## Training



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