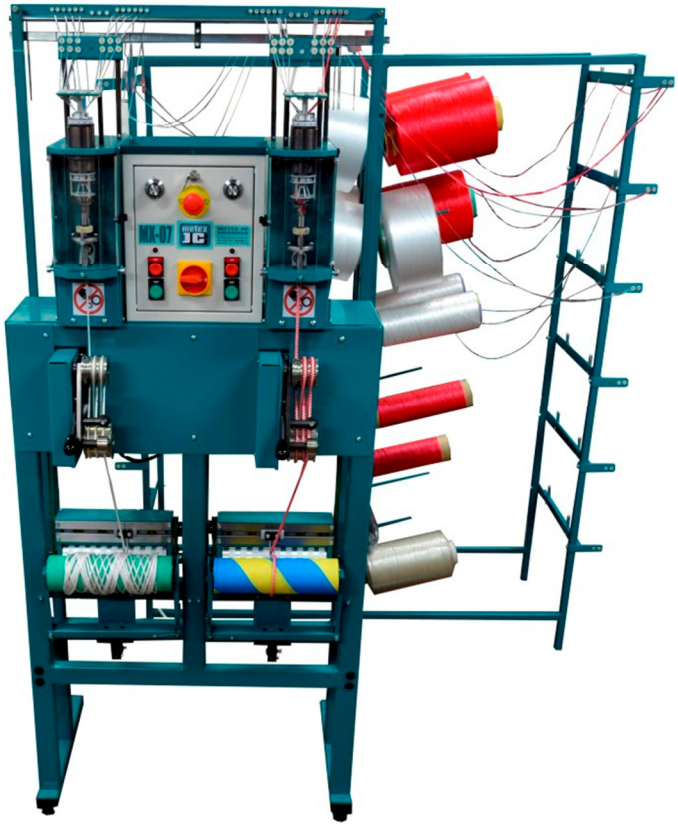
# MXG – 01 Knit braider machine (needle plaiting machine for strings up to 13mm)



## Machine application:

The machine is designed to produce strings, technical lines used in construction, expanders etc.
Due to quick selection of:

- the yarn type, linear density and colour
- linear density and flexibility of the core
- the number of needles in the cylinder
- the hole diameter in needle cylinder
- the type of weave

the machine can make a product tailored to the varied customer needs.
The knitting (needle) method of ropes manufacture enables reaching an output capacity several times higher as against the classic method applied with the spindle plaiting machines.

## Machine description:

The machine is designed as double-headed with the fully independent drives and head control systems.
A take-up device with infinitely variable adjustment of the haberdashery take-up speed is subordinated to each of the heads. The take-up speed can be changed by turning the potentiometer adjusting knob also with the machine in operation.
On the upper part of the machine, yarn lamella-sensors are provided, which trace each of the yarns and cut off immediately the drive of respective head in case one of the yarns breaks or one of the feeding beams is totally wound off.

## Technical data of high-speed knit braider machine MXG-01:

| Description: | Unit: | Quantity: |
|---|---|---|
| Number of heads | pcs | 2 |
| Splicing devices:<br>- number of needles in cylinder<br>- hole of needles cylinder<br>- needles type (Groz-Becker) | <br>pcs<br>mm<br> | <br>4; 6; 8; 10; 12<br>10; 12; 14<br>Ha 74.181 |
| Speed | rev/min | 740 |
| Approximate productivity from 2 heads with density:<br>- 1 stitch/cm<br>- 2 stitchs/cm<br>- 3 stitchs/cm | <br>m/h<br>m/h<br>m/h | <br>888<br>444<br>296 |
| Overall dimensions (length x width x height) | mm | 750 x 500 x 1650 |
| Overall dimensions of the creel (24 bobbins)<br>(length x width x height) | mm | 1200 x 660 x 1730 |
| Weight of the machine | kg | 120 |
| Weight of the frame creel | kg | 45 |
| Power installed | kW | 2 x 0,25 |
| Power supply | V | 3Ph 400/230 N/PE |
| Nominal current | A | 5 |
| Control voltage | VDC | 24 |
| Supply voltage frequency | Hz | 50 – 60 |
| Noise level in the place of work | dB | 60 |



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