



MTD

Positive drive for flat knitting machines: twist-free, radial unspooling of wire and monofilament.

The MTD is a positive drive for flat knitting machines where the material is unspooled in radial (tangential) instead of axial (over-head) direction. This enables twist-free unspooling of the material to be processed.

The MTD is applied in the production of textile fabrics. It can be used for processing wire and monofilament as well as twist-free requirements for aramid, fiber glass, etc.

The design of the MTD is characterized by the motor and the dancer unit. The dancer unit regulates the drive of the bobbins depending on the amount of material taken off by the knitting machine.

Advantages

- Twist-free unspooling of yarn
- Wire processing on flat knitting machines
- Modular structure
- Autonomous operation from machine
- Portable from machine to machine
- Height-adjustable frame
- Simple tension adjustment
- Plug & Play solution

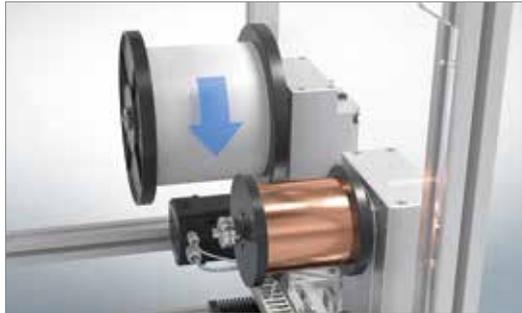
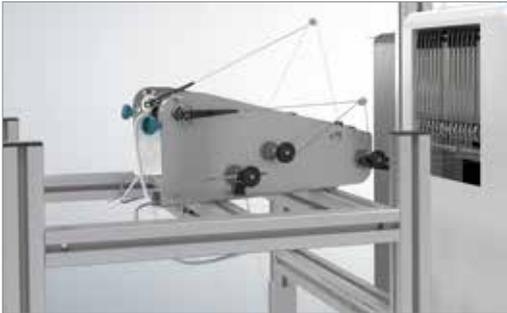
MTD: The Components

Function

The technology is based on the dancer principle, i.e. the position of the dancer arm determines the speed of the motor. The dancer arm also functions as a recoil arm to take up the yarn during carriage return.

Tension Adjustment

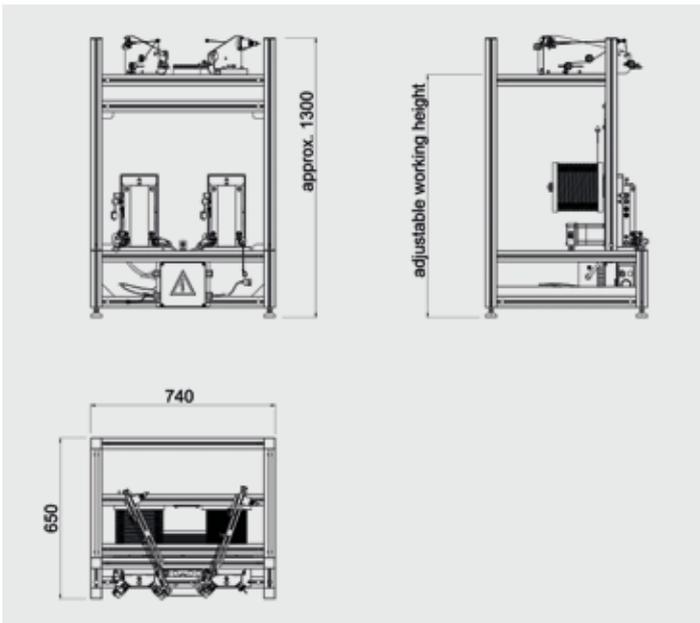
The tension is easily adjusted on the dancer with a mechanical knob and a visible scale from 0 to 10.



Modular Structure

The modular structure consists of:

- a height-adjustable frame
- one or two MTD units
- one or two dancer units
- one power supply unit incl. connection box



Technical Data MTD

Power supply:	36 VDC
max. current per MTD:	4.5 A
max. power:	160 W
Yarn consumption:	max. 180 m/min @ 0.6 m/sec
Yarn tension:	max. 10 cN
Yarn reserve dancer:	max. 45 cm
Module structure:	max. 2 MTD drives per module

Technical Data Bobbins

Bobbin diameter:	max. 250 mm
Bobbin length:	max. 200 mm
Total bobbin weight:	max. 4.0 kg

Applications	
Circular knitting machines	■ Flat knitting machines
Sock machines	Warp knitting machines
Hosiery machines	Seamless machines

ADVANCED KNITTING TECHNOLOGY

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