

High Speed Rewinding Machine HS-5000

for rewinding optical fiber or wire

The **High Speed Rewinding Machine HS-5000** is a machine for the precise rewinding of optical fibers or wires at high winding speeds.

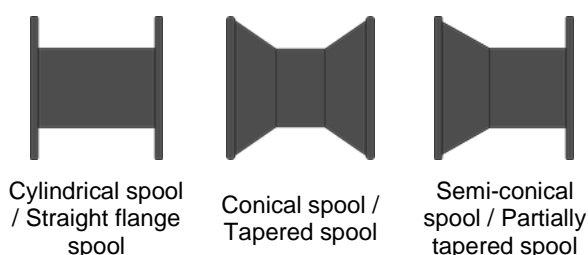
For fast winding speeds of up to 1000 m/min, the machine rewinds fiber, wire, and other delicate materials with high precision and quality.

The **High Speed Rewinding Machine HS-5000** has the following components:

- Shaftless high-speed winder
- Tailstock for clamping the wire spools
- Spool holders
- Pulleys
- Mechanical rotary dancer
- Electronic laying unit
- Wire clamp
- Control panel (HMI)

Comfortable adjustment is possible with the *MTPS700* control panel and the *SUMMI simatic* software module. Spools can be changed by using the tailstock.

For a wide variety of spool types:



Cylindrical spool / Straight flange spool

Conical spool / Tapered spool

Semi-conical spool / Partially tapered spool



Technical data

General

Dimensions (W x H x D)	cf. Dimensions
Footprint (W x H x D)	3200 x 2400 x 1300 mm
Weight	approx. 500 kg
Perm. operating temperature	15 – 40°C
Perm. storage temperature	0 – 50°C
Wire Product	Optical fiber, round (Ø 0,125 – 0,24 mm)
Pulley type	PSA080V060HL-K
Pulley-Ø	80 mm

Electrical data

Operating voltage	230 V AC, 50 Hz
Control voltage	24 V DC
Current, max.	16 A
Power output, max.	3,6 kW

Winder & Tailstock

Line speed, max.	1000 m / min
Shaft-Ø	25 mm
Spool-Ø Pay-off winder, max.	400 mm
Spool-Ø Take-up winder, max.	300 mm
Spool width, max.	400 mm
Spool load capacity, max.	10 kg
Speed, max.	5000 rpm
Opening width tailstock (without spool holders), max.	480 mm

Dancer

Dancer force generation	mechanical
Tension	approx. 0,3 – 1 N

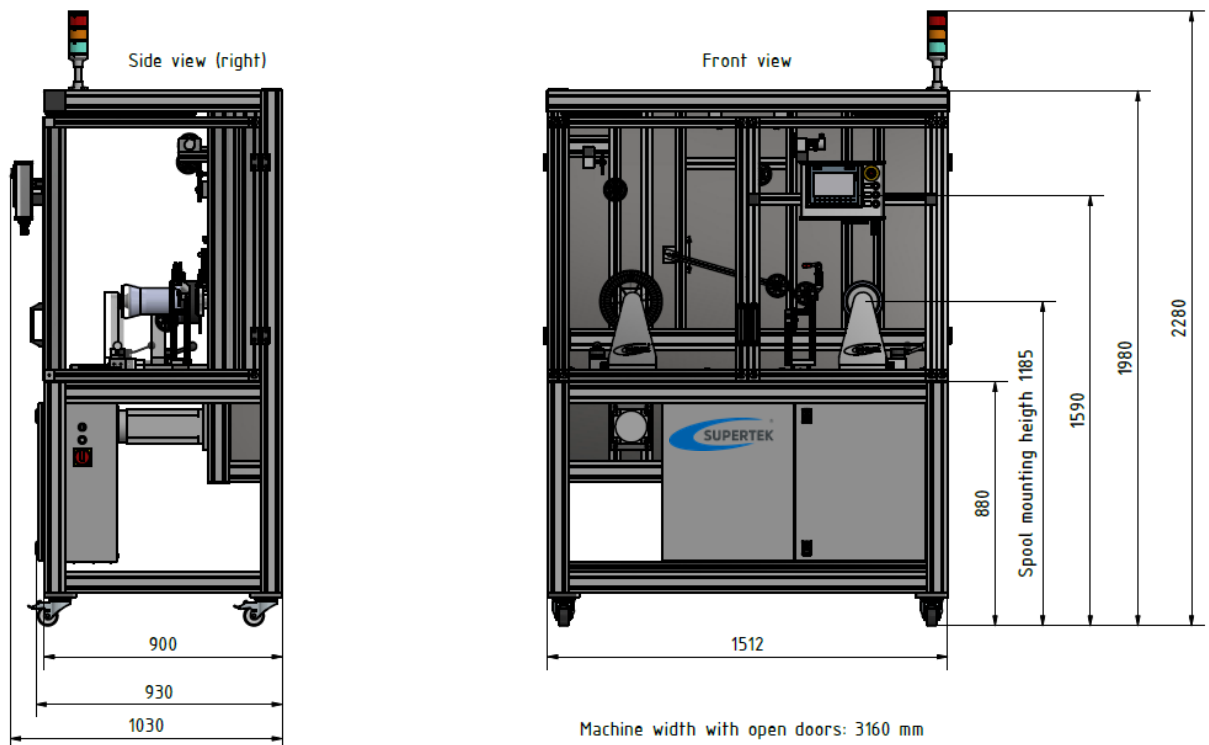
Electronical laying unit

Laying distance, max.	400 mm
Laying pitch standard	0,1 – 1 mm / r
Laying pitch, max.	10 mm / r

Control panel (HMI)

Software	<i>SUMMI simatic</i>
Serial control	RJ45 Profinet USB 2.0

Dimensions



Wire threading

