

# Length cutting and winding machines

UV60-WG / UV60-WS

for medium- and heavy-weight belts  
in short lengths, coreless with gripper infeed



## UV60-WG / UV60-WS

### Concept

These machines are especially suited for making-up medium-weight and heavy non-elastic webbings in short lengths. The rolls are wound centreless from the start of the strip, and the end can be fixed with a metal staple.

This rapid automatic machine features a strip intake with gripper, which places the start dependably in the winding mandrel. In particular this prevents problems with badly kinked fabrics, thereby significantly reducing the workload of the attendant personnel. Various cutting tools and numerous options are available, such as marking devices for example.

### In-line concept

The machines have been designed specially for in-line operation with downstream processes, such as sewing stations. With this concept the rolls are dropped into a tubular magazine for automatic onward conveyance. Consequently the rolls do not have to be fixed with staples, so that fabric damage is avoided.

### Important features

- Downstream operations speeded up by compact roll form
- Placing of coverings/seams simplified by automatically applied markings
- High process reliability even with kinked fabrics thanks to strip intake with pneumatic gripper system
- High production and high efficiency
- Mature, industrially proven concept
- High operator- and service-friendliness
- Convertible and extensible at any time
- Strong, compact construction

### Standard equipment

- Sensor for detecting the strip end, electronic length measuring
- Straight hot cutting knife with electronic temperature regulation up to 450°C
- Flattening device for melt-embossing at the tape beginning
- Pneumatic gripper system for strip intake into winding mandrel
- Centreless winding device for narrow textile fabrics
- Clamping device for holding the rolls

### Control

- Simple and convenient operation thanks to touch-screen.
- Programmable process parameters and function sequences
- Easy and speedy changeovers by storable, call-up parameters
- Dataset management for approx. 1000 programs
- Piece counter with preselection

### Options

- Switch-off device for excess tension at belt infeed
- Pre-feeder to reduce tensile stress in belt infeed
- SENSOR mechanical fabric fault detector
- Detection of fabric faults already marked
- Marking device with sealing film
- Clamping device with a large magazine
- Sorting trapdoor to convey rejects away separately
- Cold cutting device
- Perforating device (UV60-WS)
- Filament inspection for weaving defects
- Exchangeable winding mandrel (30-125 mm)

### Technical data

- Fabric width UV60-WG: 14 – 50 mm  
UV60-WS: 25 – 100 mm
- Fabric speed up to 120 m/min
- Roll internal Ø 30 (option 40) mm
- Max. roll Ø 200 (option 400) mm
- staple length 10 to 22 mm
- Typical production  
6 rolls 5 m long per minute for UV60-WG and 5 rolls for UV60-WS, with fixing by 1 staple

### Power supplies

Power consumption	5.0 kW
Power supply	3 x 400V+N+PE/50 Hz
Compressed air	6 bar

### Dimensions

Width:	1400 mm (depending on options)
Depth:	1250 mm
Height:	1920 mm (+ 850 mm for slide door)

Copyright © 2003 by Jakob Müller AG, Frick  
CH-5070 Frick Switzerland

Printed in Switzerland. All rights reserved.

No part of this publication may be reproduced by any means, nor translated, nor transmitted into a machine language without the written permission of the publisher.

This leaflet contains photos and technical data for information only, without contractual engagement.

## Fascination of Ribbons and Narrow Fabrics Innovation in Machinery

Rep.:

**Jakob Müller AG, Frick**  
CH-5070 Frick Switzerland  
Tel +41 62 8655 111  
Fax +41 62 8655 777  
www.mueller-frick.com

