

SAW

ELPRO 

Winding device

re- and unwinding
mount and go (230V 50Hz supply needed)
suitable for all kinds of materials
for lowest forces in winding (controlled by diameter)
compact design, double-sided mounting provides flexibility



common applications

- ⇒ infeeding of laminating foil
- ⇒ rewinding of stamping-matrix
- ⇒ removing of cover sheeting (silicin-foil)
- ⇒ stamping-foil processing (in- and offtaking)
- ⇒ further purposes

Winding device SAW-650

perfect as subassembly for print and packing machines, or as stand-alone winding device

ELPRO Automatisierung GmbH & Co. KG

Berg 4a | D-83561 Ramerberg | ☎ +49 (0) 80 39 / 90836-0 | 📠 +49 (0) 80 39 / 90836-29 | ✉ info@elpro-rs.de

🌐 :http:// www.elpro-rs.de

Winding device: Range SAW

The **winding device SAW-650** is a compact subassembly -aggregate, it is ready for use as delivered and matches today's requirements of diverse winding-purposes.

Your advantages:

- ⇒ compact dimensions facilitate an easy and universal mounting (electronics are integrated)
- ⇒ convenient for re- and unwinding purposes
- ⇒ very low winding forces possible
- ⇒ perfect for a variety of materials, such as paper, film, and fabric

Enhancement of productivity

An integrated controlling guarantees a continuous tension of the web while winding.

The ramp-up/ ramp-down characteristics are significantly improved compared to other systems.

The integrated friction-compensation minimizes the web tension.

Features

- ⇒ solid casing made of anodized aluminum
- ⇒ easy and flexible mounting due to mounting-threads on two sides
- ⇒ prearrangement for controlled side adjustment e.g.
- ⇒ both rolling directions possible
- ⇒ pneumatic expansion-shaft with remote controll
- ⇒ potential-free contact for limit switching
- ⇒ controlled winding-force characteristic (wrapping force decreasing with increasing diameter)
- ⇒ normed signal for line speed (5V TTL, 4 signals)
- ⇒ maintenance-free

Winding shaft

The winding shaft is mounted to the casing with a stock flange, this provides the possibility of changing of various winding shafts, the spacing of the roll middle can be adjusted at every time.

The supply of the pneumatic bracing expansion-shafts is realized with a rotary valve, which is operated from the controll-panel.

Winding force

A synchronous motor combined with a digital controller allows delicate re- and unwinding forces.

The diameter sensor keeps the tension constant for the whole winding process.

If linespeed is available, a diameter-calculator can controll the winding-force.

In this case the sensor is omitted.

Operation

The SAW unit is operated via a multiline controll-panel with digital input and keys.

The controll-panel is mateable and can therefore be mounted everywhere for optimal accessibility.

It can be equipped with magnetic clamps on demand.

Options

- ⇒ pneumatic winding shafts with external clamping bars
- ⇒ pneumatic winding shafts with full-radius clamping leaves for optimal radial runout (coreless winding is possible)
- ⇒ junction for rotary encoder (sensor less guidance of the tension)
- ⇒ actuator-drive for webguide controll
- ⇒ controlling via external tension controll unit
- ⇒ odometer
- ⇒ dancer unit for intermittent line feed
- ⇒ special design for clean environments possible (food industries e.g.)

TECHNICAL DATA		
TYPE	-56	-84
supply	230V 50Hz	
input power	0,9 kVA	1,3 kVA
air pressure	87 psi	
WINDING-DATA		
max. web width	350mm	
max. winding diameter	650mm	
max. force	56N	84N
direction of rotation	swichable	
max. speed of web	120m/min	
Core of roll	76mm (3")	

