

# A-Winder Flyer winder

**ELMOTEC STATOMAT**

A Schaeffler Company



**Automotive**



**E-Mobility**



**Industry**

Flyer winder

## **Flyer winder for flexible and economical series production.**

In flyer winding, the transfer tool is firmly clamped. The wire coils are automatically wound onto the winding template with the help of a rotating winding arm, the so-called flyer, in a rotating movement and then slid off into a transfer tool. Once all phases have been wound, the prepared winding is pulled into the stator with the help of an insertion tool.

### **Highlights.**

Windings with and without connection links  
Different lengths of wire ends can be realised  
Optional for bifilar windings.

### **Flexibility.**

Flyer winders are an ideal solution for the flexible and economical production of high quantities. The flyer winders from ELMOTEC STATOMAT are therefore available as single spindle winders. Furthermore, they are a central component of automated winding and insertion centres.

# 5

We can wind up to 5 stencil chambers simultaneously.

# 4000 rpm

Our flyer winders are built to turn as fast as 4000 revolutions per minute.

# Technical data

## Flyer winder

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### Production steps

<input type="checkbox"/> Slot Insulation	<input checked="" type="checkbox"/> Winding	<input type="checkbox"/> Insertion	<input type="checkbox"/> Intermediate forming
<input type="checkbox"/> Lacing	<input type="checkbox"/> End forming	<input type="checkbox"/> Testing	<input type="checkbox"/> Automation

### Specifications

- Rotating winding arm (flyer) with stationary winding former
- Wire stripping into coil transfer tool
- Spindle center and former self-adjust automatically
- Wire tension device with mechanical precision adjustment and digital display
- Wire control device sensing end of wire or wire break
- Wire run control
- Manual coil transfer
- Location of the coil transfer tools:
  - Linear table for one transfer tool
  - Turntable for two transfer tools

### Winding

- Winding with / without intercoil connection
- Clockwise / counterclockwise winding
- Wire ends of different lengths
- Bifilar winding

### Options

- Wire brake and monitoring for residual wire and wire breakage
- Integrated wire run monitoring

### Operating range

IEC size



Stack height



Parallel winding wires– depending on wire diameter



Winding wire diameter – depending on amount of wires



### Power rating

- Three phase current 400V | 50 Hz or 480V | 60Hz
- Compressed air

### Dimensions

- W | D | H (mm) 1070 - 1600 | 2370 - 2440 | 2100 - 3210

## Your contact



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