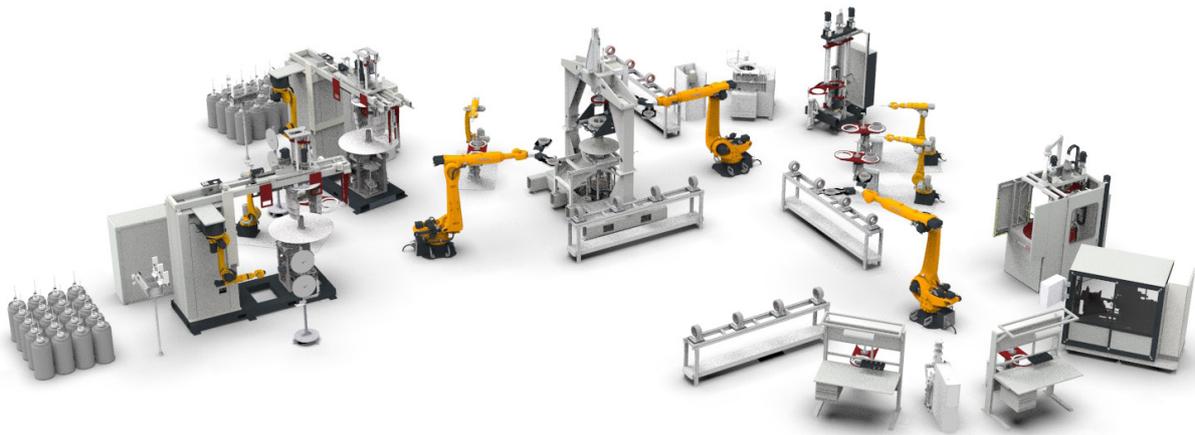


Modular production concept for round wire insertion technology

ELMOTEC **STATOMAT**

A Schaeffler Company



Example of a „mixed model line“

Our machines produce more than 10 million stators every year.

At our customers' production sites, our systems run for batch sizes from one to approx. 20,000 stators per year, with a variance in package heights from 15 to 500 mm. Thanks to our broad portfolio of semi-automatic machines through to fully automated production lines, we offer the right solution for many applications.

Depending on your requirements, we can offer you the entire stator production line or individual cells. Another focus of our range of services is easy handling technology and short changeover times for our machinery. We support digital integration into your production system with our software solutions.

95%

Degree of automation for round wire insertion technology

88%

Fill factor. Our systems are designed for the simultaneous, twist-free winding of up to 42 parallel wires.

Modularity & flexibility

Together with our customers, we develop an ideal production concept in terms of variant diversity and output quantity.

Reduced investment risk

Our modularly expandable production lines allow ideal scalability of quantities and therefore reduce your investment risk.

Technical description automation solutions

ELMOTEC **STATOMAT**

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Production steps

Slot insulation	Winding	Insertion	Intermediate forming
Lacing	End forming	Testing	Automation

Specifications

Combination of different winding technologies within one line.

- Twist-free winding (up to 42 wires) for stators with maximum fill factor (IE4-5).
- Flyer winder with up to 4,000 rpm for high runners with large quantities.
- Combination of different winding technologies possible, depending on individual production requirements („Mixed model line“)
- Consideration of your ramp-up and ramp-down phase thanks to flexible cell concept.

Options

Individual automation options depending on the number of variants & quantities.

- Automatic insulation of the wire ends, insertion of phase insulation, hot crimping, etc.
- Process optimization through simulation („Factory Planning“)
- Digital Twin
- Wire bundling unit

Operating range

IEC sizes



Stack height



Stator-Inner diameter



Industrialization partner for your production success

Together with a worldwide special machinery network, we develop your ideal production solution for all aspects of winding technology! Get in touch with us!

Power rating

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

Your contact



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Issued: 2024, March

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