

INDUSTRIAL APPLICATIONS

Fully automated setup of over 40 product variants

CIRCUIT BREAKER

This fully automatic STIWA machine produces single-phase circuit breakers. These protect electrical systems in fuse boxes from overload by automatically interrupting the circuit in the event of a fault.

The miniature circuit breaker consists of 33 individual parts, which are supplied and assembled step by step. This assembly line handles a wide range of product variants. Finished parts are placed on an output belt or conveyor belt at the end of the assembly process. The system is connected to an intralogistics system.



PRODUCTION IN THE GROUP

The switches are manufactured in a system consisting of a pre-assembly for the mechanism or actuator of the switch and the final assembly of the finished device.

DYNAMIC SETUP – A HIGH VARIETY OF PRODUCT TYPES

The machine can be quickly converted to a different product type during operation. This prevents long standstills during setup.

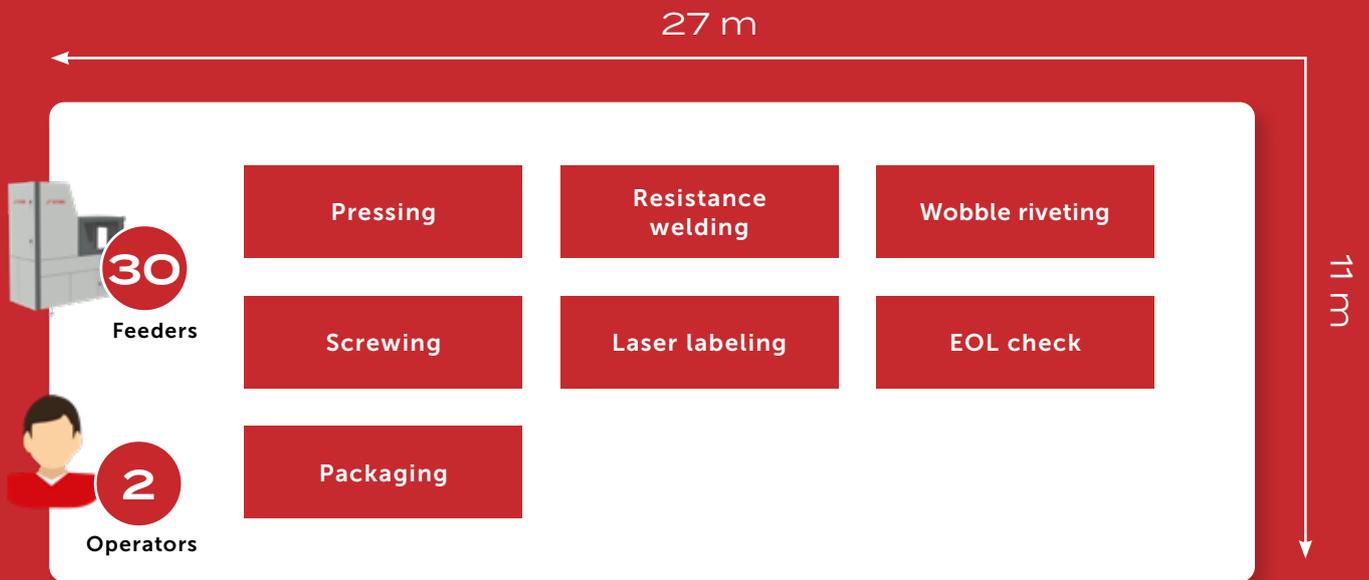
COMPACT STATIONS – LESS SPACE REQUIRED

Simultaneous 3-up riveting in 4 process stations enables a short cycle time. This results in less space requirements and lower cost compared to 12 individual riveting units.



 **References**
See more automation solutions





THE FACTS

Performance	15.000.000 parts/year
Product variants	over 40 types
Area	approx. 300 m ²
Lines	2
Location	Europe, Asia
Special requirements	Dynamic setup (automatically during production)
Degree of automation	Fully automated

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