

Fastener Assembly Stationary Tool Oetiker FAST 3000



Reliable Connections

Recommended for the installation of WingGuard® Strap Clamps 270

Benefits

- Direct closing force control
- Easily accessible wear parts
- Process controlled
- Residual free closing area
- Ideal for high production volumes



Fast assembly process: 2.7 s (min.) assembly time for typical airbag applications

Easy to maintain: approximately 5 min service time per 100,000 closures

Safe & reliable closure: enclosed and separated residual using AdvantEdge® technology

Controlled assembly process: tool can be integrated into customer manufacturing networks

Manufacturing efficiency: side by side setup possible



WingGuard®



AdvantEdge®

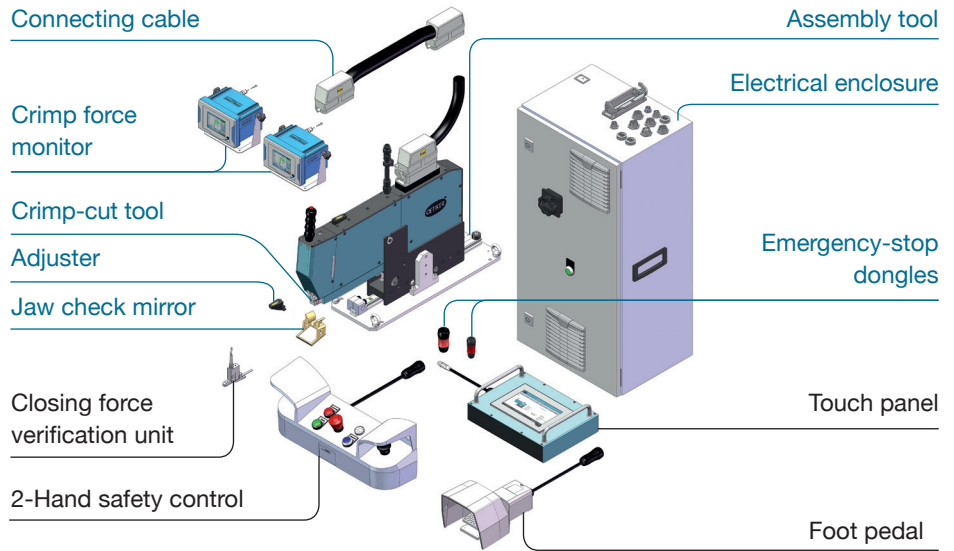
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SCOPE OF SUPPLY

- Electrical enclosure
- Assembly tool
- Connecting cable
- Emergency-stop dongles
- Crimp-cut tool
- Crimp force monitor
- Adjuster
- Jaw check mirror

Optional:

- Touch panel
- Closing force verification unit
- 2-Hand safety control
- Foot pedal
- Light curtain interface



TECHNICAL DATA*
OVERVIEW

Closing force (SK)**	
- Recommended	1850 N
- Tolerance (SK-T)	± 100 N
Closed gap of crimpers (SS)	
- Tolerance (SS-T)	± 0.10 mm
Opening gap of crimpers (OS)	
- Tolerance (OS-T)	± 0.15 mm
Closure methodology	Closing method Force prior pulling and stroke prior crimping

The tool is available in two configurations:

- ProfiNet
- Ethernet/IP

	Dimensions approx. (mm)	Weight approx. (kg)
Electrical enclosure	300 x 400 x 800	40.0
Connecting cable	2000	2.5
Assembly tool	610 x 71 x 470	30.0

DESCRIPTION

The stationary, electromechanical assembly tool Oetiker FAST 3000 is the dedicated tool to close Oetiker WingGuard® Strap Clamps 270. It can be integrated into typical semi-automated manufacturing environments and combines control, monitoring and safety during the assembly process. The clamps diameter is reduced with a controlled closing (pulling) force. The crimp force monitor feature ensures reliable locking of the wings. The result is a consistent, reproducible and permitted tensile load on the strip material, without overloading the individual components, the parts being clamped and the clamp.

The AdvantEdge® technology closing mechanism ensures a closure without harming the underlying materials or leaving debris. By using this tool, full process monitoring is available, including 100% data recording. Thus, this setup is ideal for safety critical applications like airbag assembly.

ACCESSORIES

xVal 270

The xVal 270 is a measurement device supporting 100% quality control and intended to verify that WingGuard® Strap Clamps 270 from Oetiker are locked properly and with closing wings positioned. Therefore the relative distance between the clamp housing top plane and both of each wing tips is measured. It is an optional accessory part of the FAST 3000 and recommended as part of the manufacturing guided quality control process to ensure reliable closure.

CAL 01

The “Test Equipment CAL 01” is used to adjust and verify the applied closing force. To determine the recommended closing force for a specific product, please refer to the respective clamp data.

* Approximate information

** Default value, might vary depending on the clamp used.