JENOPTIK-VOTAN® S

Airbag preparation – down to the MAX

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Technology

The scanner based JENOPTIK-VOTAN® S is designed to create predetermined slot-bridge weakening lines. After processing, your parts will be directly evaluated with an integrated image processing unit.

The weakening program and process evaluation is customizable to your needs. With JENOPTIK-VOTAN® S you are using an industrial proven system for a contact- and wear-free production of your parts.
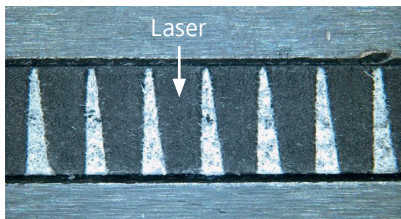
Features

– Smallest available footprint
– Part envelope 1550 x 550 x 250 mm
– High repeatability
– Minimal structure size 300 μm
– Minimal heat affected zone
– Direct part evaluation
– Parameter and result traceabilty and storage
– Rework/destroy function for minimal scrap rate
– Proper exhaust for minimal contamination
– Reduced service and maintenance

Technical specifications

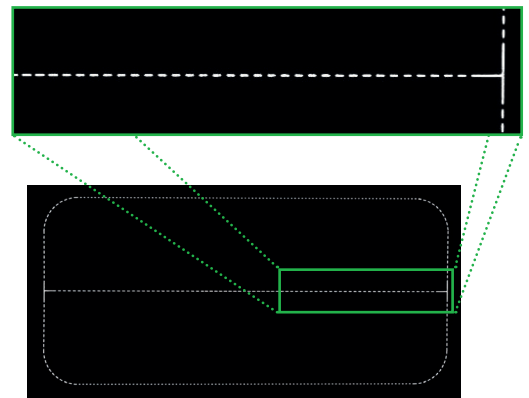|	
Footprint	Approx. 12 m² (w=2 m, d=2.5 m,h=2.4 m) without peripherals
Fixture interface	Quick change system
Operator panel	24" multi-touch panel with RFID reader
Laser	CO_2 laser
Control panel	SIMATEC S7 with safety function
Direct process evaluation	Integrated image processing unit

We reserve the right to make changes in the interest of technical progress.

Application

Generating weakening structures in substrate materials for:
– Passenger airbags
– Knee airbags
– Thorax airbags
– Curtain airbags

Process evaluation and traceability

Process evaluation features

– Part identification and tracking via bar code
– Contour divided in different inspection zones
– Adaptable evaluation parameters per inspection zone
– Results are displayed, stored and reported

Evaluation parameters

– Number of slots and bridges
– Size of slots and bridges (attributive check based on reference)
– Pattern and length check (attributive check based on reference)
– Airbag contour position (attributive check based on reference)
– Acceptable failure rate (defined by customer)

Traceability

Part ID based storage and communication of process parameters and evaluation results to and from your plant MES.

Slot-bridge pattern in PP-GF30

Slot-bridge pattern and hinge

Real process evaluation picture

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