

Automatic riveting unit GAV HF

Fully-automatic blind rivet system for very strong blind rivets

Working range

- Blind rivet sizes from 4.8 mm to 8.0 mm Ø all materials
- Rivet body lengths up to 35 mm
- Setting head diameter up to 19 mm
- Mandrel up to 5.5 mm Ø
- Traction power up to 20,000 N at 5 bar air pressure



Size comparison between a possible blind rivet of the GAV HF, a GESIPA®-PolyGrip® and an 1 Euro coin.



Advice, price and delivery time on request

Advantages

- Conveyor pot filling level display
- Operating pressure: 5 bar
- Vibration-dampened pressure intensifier attachment
- Multiple monitoring of the blind rivet pistol by means of sensors
- Industrial control with an 8" colour display
- Conveyor distances of up to 25 m are possible when used in fully-automatic production systems
- Electronic system controls
- Intuitive menu guidance via navigation and function keys
- Function display
- Maintenance display and simple fault diagnosis
- Customer-specific software modification is possible
- Ideal for applications that do not require any process monitoring
- Rivet mandrels are disposed of via a vacuum system
- Surface contact trigger available as an optional extra
- Can be integrated into the system or operated independently
- Interface for external memory-programmable control system (SPS) can be realised via the GESIPA®-Interface

Accessories for GAV HF

The accessories for GAV HF allow an individual system configuration for each different application case

Electrical foot pedal

The foot pedal is a practical solution wherever applications require both hands to affix the parts that need to be riveted.



Foot pedal

Surface contact monitoring with dual-hand operation

This special type of surface contact monitoring guarantees the manipulation-proof process-secure joining of parts. In applications that are relevant for safety, it is often necessary to completely rule out manipulations in the riveting process.

GSM radio modul

In the event of any deviations to the target status e.g. nearly empty feed unit, the GSM radio module (GSM = Global System for Mobile Communications) reports this to a mobile telephone or a process control centre via a call or an SMS. This allows short response times.

Electronic key system and safety switch

An electronic key system and a safety switch guarantee safe access control for at least two user groups and lock the covering hood to prevent unauthorised access to the components in the supply unit.

Interface for connection to external control

The new GESIPA® interface developed by GESIPA® is based on an embedded PC system and provides 24 digital in and out control system ports, Ethernet connection via a RJ45 connector as well as status LEDs. Connection ports for a protocol converter supporting all common bus systems and for external storage media as well as a USB port for fast data transfer complete the features of the new interface. In addition, the GESIPA® interface has a process database for storing 250,000 of the most current process data (date, time, rivet position, process curve, analysis, etc.).

GESIPA®-Interface



Signal lamps indicate the operating status

