

## Screwdriving systems with automatic feeding

- + For all types of fastening elements such as screws, nuts and threaded pins
- + From 0,02 up to 150 Nm
- + Process monitoring of torque, rotation angle, gradient, rotational speed, depth of insertion
- + Feed units such as bowl feeder, step feeder, segment feeder or channel feeder 100

## Automatic screwdrivers



**SEL**  
+ Economy line



**SES**  
+ Slim, with integrated tool stroke



**SEM**  
+ Nutrunner



**SEV**  
+ With vacuum tool, for difficult-to-access screw driving locations



**DGS**  
+ Automatic system for coil thread inserts



**FSF**  
+ For flowdrilling screws

## Your advantage

- + Reliable: advanced technology, perfectly suitable for continuous operation in series production
- + Easy servicing due to superior design
- + High availability due to quick bit change
- + High work efficiency due to firmly protruding screw\*
- + Ergonomic handling by automatic bit stroke, thus reducing the risk of material damage on the work piece\*
- + Selection of different drives, with or without analysis of data

\* Hand-held screwdrivers

# STÖGER

## AUTOMATION



## Hand-held screwdrivers



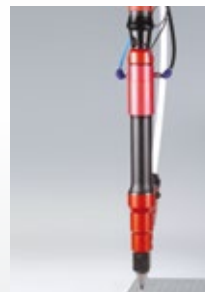
**KOLIBRI**  
+ For screw sizes from M1  
+ High output rate  
+ With controller and automatic feeding  
+ Suitable for robot adaption  
+ Suitable for transfer systems  
+ Suitable as assembly cell with manual mounting



**MULTI-SPINDLE MACHINES**  
+ For identical or different fastening elements  
+ For simultaneous or successive fastening processes



**HSH**  
+ Integrated pneumatic drive  
+ Firmly protruding elements  
+ Automatic bit stroke



**HSF**  
+ All types of drives possible  
+ Firmly protruding screw  
+ Automatic bit stroke



**HSM**  
+ Nutrunner

SCREWDRIVING  
AND FASTENING  
SYSTEMS WITH  
AUTOMATIC FEEDING



[www.stoeger.com](http://www.stoeger.com)

## Rivet and inserting units with automatic feeding

- + For all types of fastening elements such as blind rivet nuts, pins, bolts etc.
- + Up to 60 KN
- + Process monitoring of force and displacement
- + Feed units such as bowl feeder, step feeder or segment feeder

## Robot solutions

- + Suitable for robots with a load bearing capacity > 3 kg
- + For all screwdriving directions
- + Adapters for common robot models
- + Open interfaces for drives
- + Automatic feeding of fasteners

## Robot solutions



### BMS

- + Automatic system for blind rivet nuts



### EPE

- + Automatic inserting, setting and press-fit systems



### HVS

- + Manual inserting and press-fit system



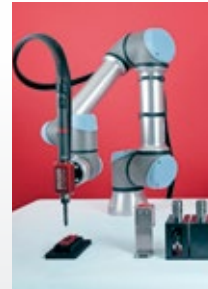
### RSX

- + For lightweight robots with load bearing capacity > 3 kg



### CSX

- + For Human-Robot-Interaction



### SPATZ

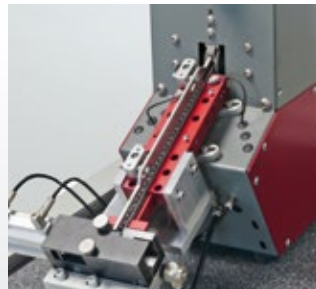
- + Screwdriving robot with automatic tool change and Pick&Place system
- + Various screwdriving tools and other tools, e.g. gripper, adaptable

## Feed units



### BOWL FEEDER

- + High output rate
- + Suitable for all non-coated, oiled or micro-encapsulated fastening elements



### SEGMENT FEEDER

- + Low vibration
- + Suitable for all fastening elements with sensitive surface



### STEP FEEDER

- + Low vibration
- + Suitable for all fastening elements



### CHANNEL FEEDER 100

- + No abrasion
- + No vibration
- + Suitable for most fastening elements
- + Very high output rate

# STÖGER AUTOMATION

- + Your competent partner in development, design and construction of customised solutions since 1987
- + Laboratory for performance tests
- + On-site service for machine commissioning and maintenance
- + Detailed operating manuals



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