

SCREWDRIVING
AND FASTENING
SYSTEMS WITH
AUTOMATIC FEEDING

STÖGER
AUTOMATION

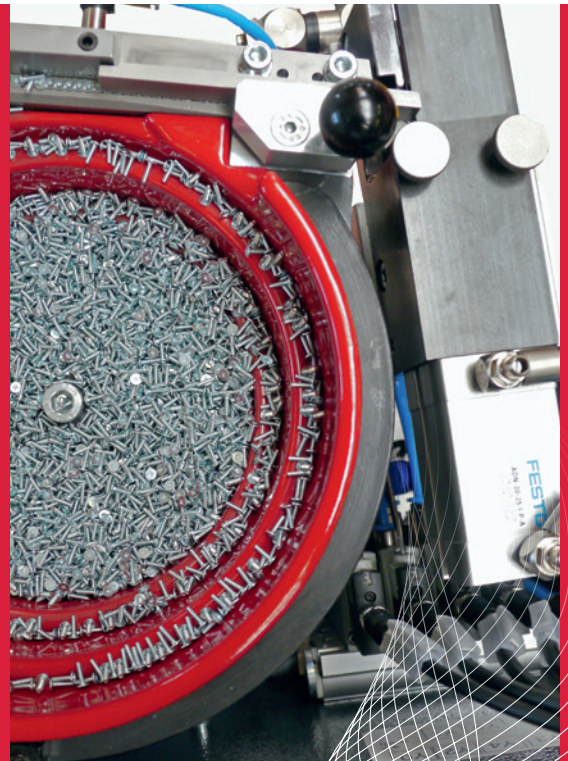
ZSE / ZME-Series

Automatic feed units for
all types of fasteners



When you opt for a feed unit from the ZSE range, you are choosing a robust all-rounder. In addition to screws, it is possible to feed almost every fastener geometry, e.g. nuts, rivets, rings, clips, washers, covers, pins, sleeves, and much more besides. Using a micro-throwing technique, the fasteners are transported from the centre of the feeder bowl up the spiral right to the exit rail. Here, they are automatically sorted in the correct position and transported to the escapement, before being injected into the screwdriving unit through the feed tube. An integrated frequency control device adjusts the transport speed of the fasteners to the screwdriving unit requirements.

All parts that come into contact with the fastener are produced from hardened tool steel for a long service life. Sophisticated details, such as a sorting chicane that is adjustable to the various screw batches, an optionally available contents level control



system and an optional measuring device for position recognition or for checking the screw length, leave no wish unanswered.

THE ADVANTAGES AT A GLANCE:

- + Robust all-rounder, suitable for almost every fastener
- + For all sizes and geometries
- + High throughputs
- + Rapid clearance of non-dimensionally compliant or deformed screws and foreign bodies
- + Can be operated with 230 V / 50 Hz or 120 V / 60 Hz without additional settings or modifications
- + Coating of the feeder bowl for high wear resistance and quiet running
- + Cover of the sorting chicane can be removed with ease, without the use of tools, e.g. for maintenance purposes or with the clearance of deformed fasteners
- + Feed control across the entire feed process with sensor system
- + Production in accordance with drawing enables exchange of wearing parts

Technical data

	ZSE 1000	ZSE 1800	ZSE / ZME 2600	ZSE / ZME 4000
Screw size / nut size	M1,6-M3* / -	M2-M4* / -	M3-M6 / M4-M6	M6-M14 / M6-M12
Feeder bowl dia. (mm)	100	180	260	400
Capacity (litres)	0.05	0.4	1.0	3.0
Output	Up to 60 pcs./min.	Up to 60 pcs./min.	Up to 60 pcs./min.	Up to 60 pcs./min.
Noise level measurement	< 68 dB(A)	< 68 dB(A)	< 70 dB(A)	< 70 dB(A)
Air consumption [litres / cycle]	6-10**	10-20**	10-20**	20-50**
Power	80 W	100 W	120 W	300 W

* Standard, other sizes possible

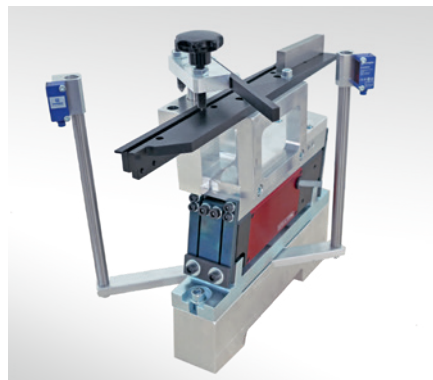
** Air consumption depends on screw size, tube length and installation.

Accessories



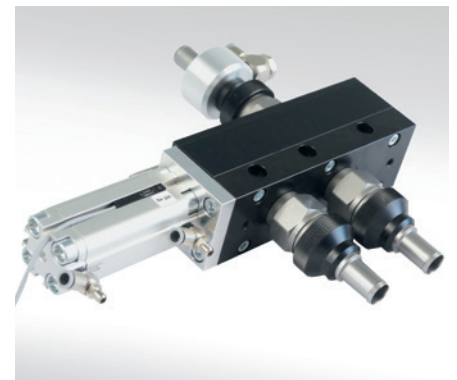
Hopper

- Fill volumes from 3 - 50 litres
- Increase in autonomy time
- Gentle handling of the fasteners



Line feeder

- A max. / min. query regulates the switch-on cycle of the feeder bowl for noise reduction and conservation of resources.
- Fasteners can be made available in quick succession



Escapement / distributor

- Either supplies multiple screwdriving units in parallel or one spindle with different screw lengths
- Targeted escapement possible

CAD data available on www.stoeger.com/en/downloads.html under file "feed unit bowl feeder"

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