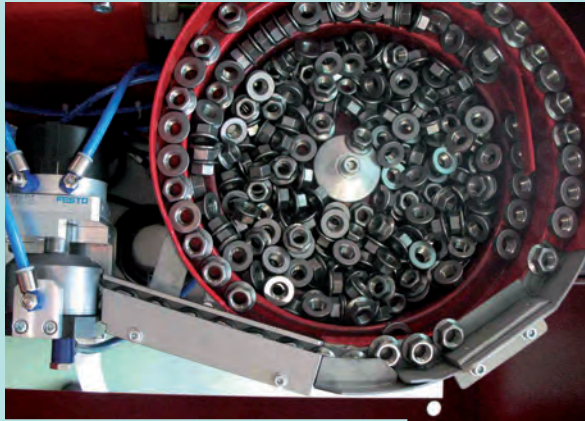


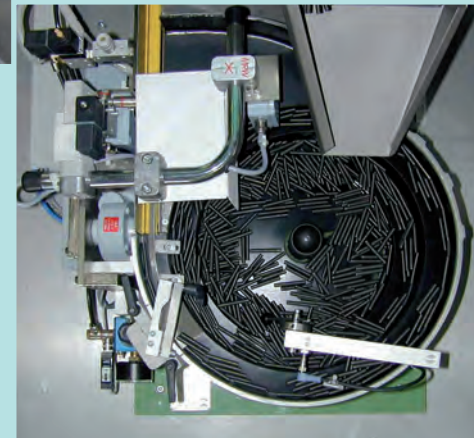
Delivery system with separation for flange nuts



Plastic fasteners for cladding frames in the building industry



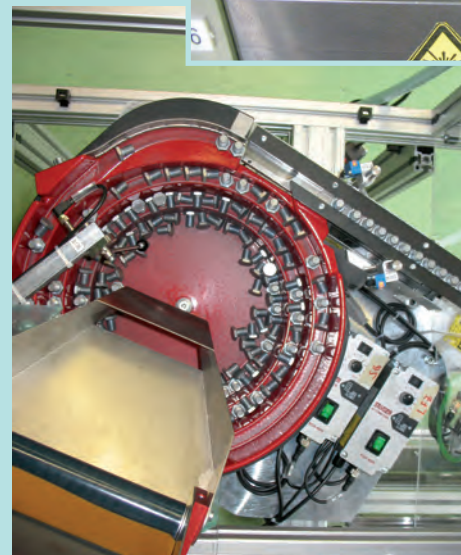
Delivery system ZSE 1000 for pins with 1 mm diameter



optical sorting with camera



Sorting rail with delivery point for sealing rings



Delivery system for top-heavy screws

**TOP 100**  
We are among the  
100 most innovative  
companies in Germany !



Lorenz Stöger being presented with the award by Lothar Späth



**STÖGER**  
AUTOMATION

**STÖGER AUTOMATION GmbH · Gewerbering am Brand 1 · D-82549 Königsdorf**

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☎ +49(0)8179/99767-50

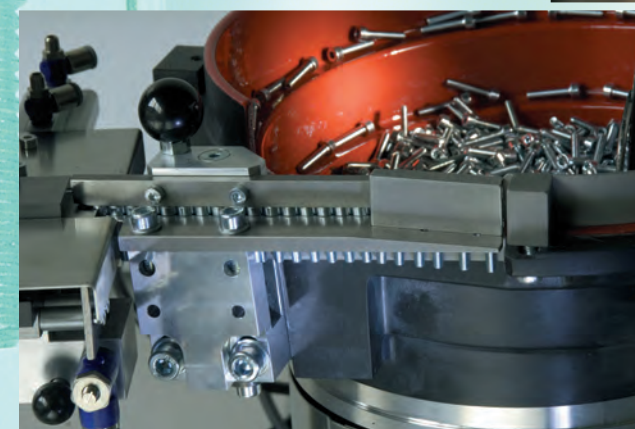
✉ info@stoeger.com

Internet www.stoeger.com

## STÖGER Screw and assembly systems

### Feeder-units ZSE-Series with Vibration bowl

Suitable for all  
applications!



## STÖGER technology put to your use!

### STÖGER Advantages

20 years experience

- Service-friendly construction
- Standardised delivery units in all sizes
- Special separation systems for the varied types of fastenings

### Project support

We help you plan your project

- Consultation in system decisions per telephone or with a visit
- Price guides for your calculations
- 3D data for your presentation

### Investment

Economical alternative

- Use our standardised delivery units with their variable sorting systems as an economical alternative to custom built delivery systems



## ZSE 1800 - 2600



- Surface treated plastic bowl insert
- Hardened and polished delivery rail, adjustable and detachable
- Precise transition from delivery rail to separator
- Detachable and separable sound-insulating cover
- High cycle rate of up to 100 parts/min

Technical Data	ZSE/ ZEM 1000	ZSE/ ZEM 1800	ZSE/ ZEM 2600	ZSE/ ZEM 4000
Feeder bowl dia. (mm)	100	180	260	400
Capacity (litres)	0,05	0,4	1,0	3,0

Custom versions available according to requirements

## Linear sorting system

- E.g. for screw-length control with ejection of faulty fastenings



## Control units

### RGS 4600

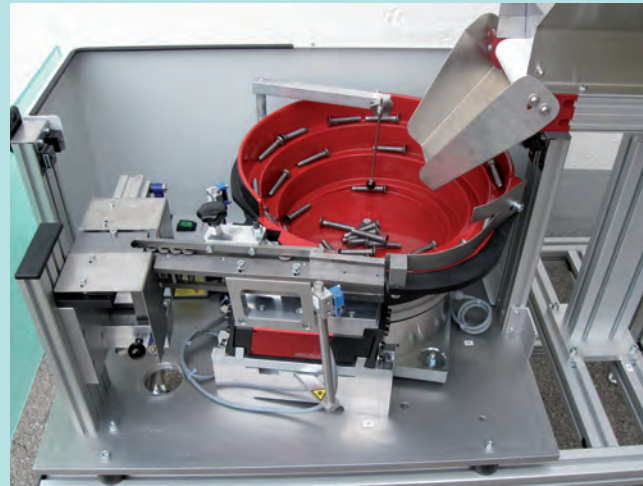
- Phase angle controlled for simple applications

### FGS 4450

- Frequency controlled for sensitive applications



## ZSE 4000



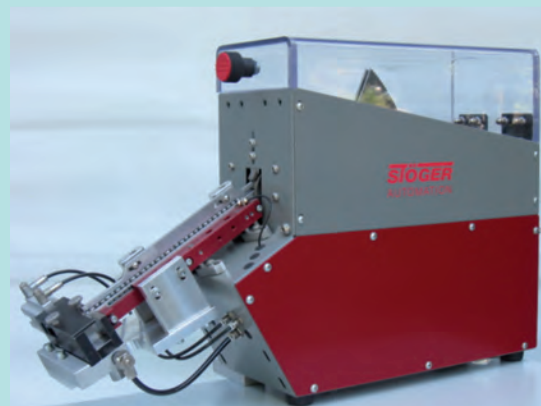
- Sorting chicane as separate linear supply. Plastic bowl insert requires no balancing, giving perfect and finely adjustable running
- Otherwise equipped as ZSE 2600

## ZSE 1000 (not illustrated)

- For extremely small fastenings such as screws for spectacles, mobile phones etc.

## Segment feeder

- For fastenings with sensitive surface



## Sorting insert/chicane



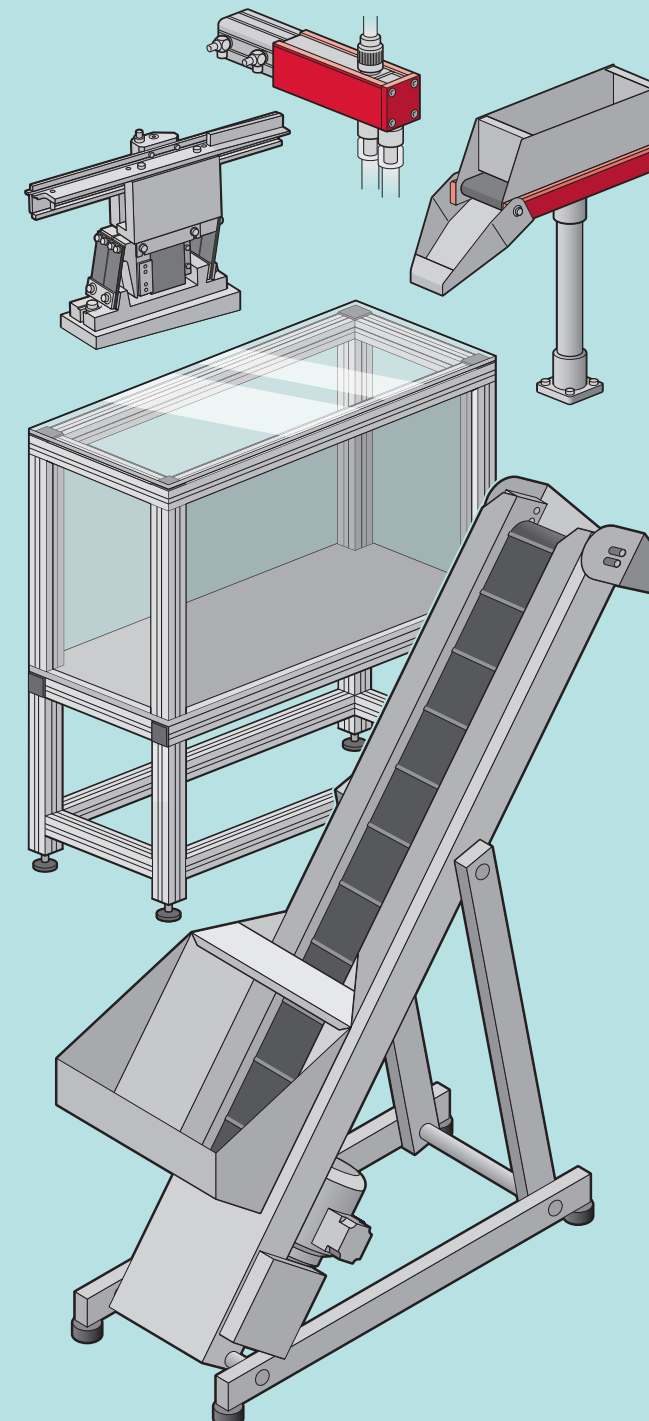
- Surface treated plastic bowl insert for even running and wear resistance
- Adjustable sorting chicane with access for easy removal of faulty fastenings



Screws and nuts in all forms and sizes



Rivets, rings, clips, caps, washers, pins, jets, etc.



## Options

- Hopper
  - Capacities 10 - 50 litres
  - Reduction of refill intervals
  - Constant levels in feeder bowl
  - Fastenings carefully handled
- Linear Feeder
  - Prevents jamming in delivery rail or feeder bowl
  - High- and low-level switching controls operating cycle of feeder bowl
  - Fastenings carefully handled
- Distributors
  - Distributors for up to 16 systems
  - Feed control via ring proximity sensors
  - Targeted secondary escapement possible
- Escapement/Special Escapement
  - Precise transition from delivery rail
  - High cycle rate of up to 100 parts/min
  - Simply and quickly dismantled
  - Measuring equipment to determine orientation or check dimensions
  - Special functions
- Further options
  - Optical sorting
  - Step feeder
  - Segment feeder
  - Elevator