



PEMSERTER® IN-DIE

Automatic installation of
PEM® Self-clinching fasteners

PEMSERTER® IN-DIE

Flexible, powerful and safe - reliable processing

A reliable processing result of PEM® self-clinching fasteners requires a reliable press-in process. With the PEMSERTER® IN-DIE, the installation process can be integrated into a machine that the customer already has. With PEMSERTER® IN-DIE, the self-clinching fasteners are fed directly into the die of the existing press:

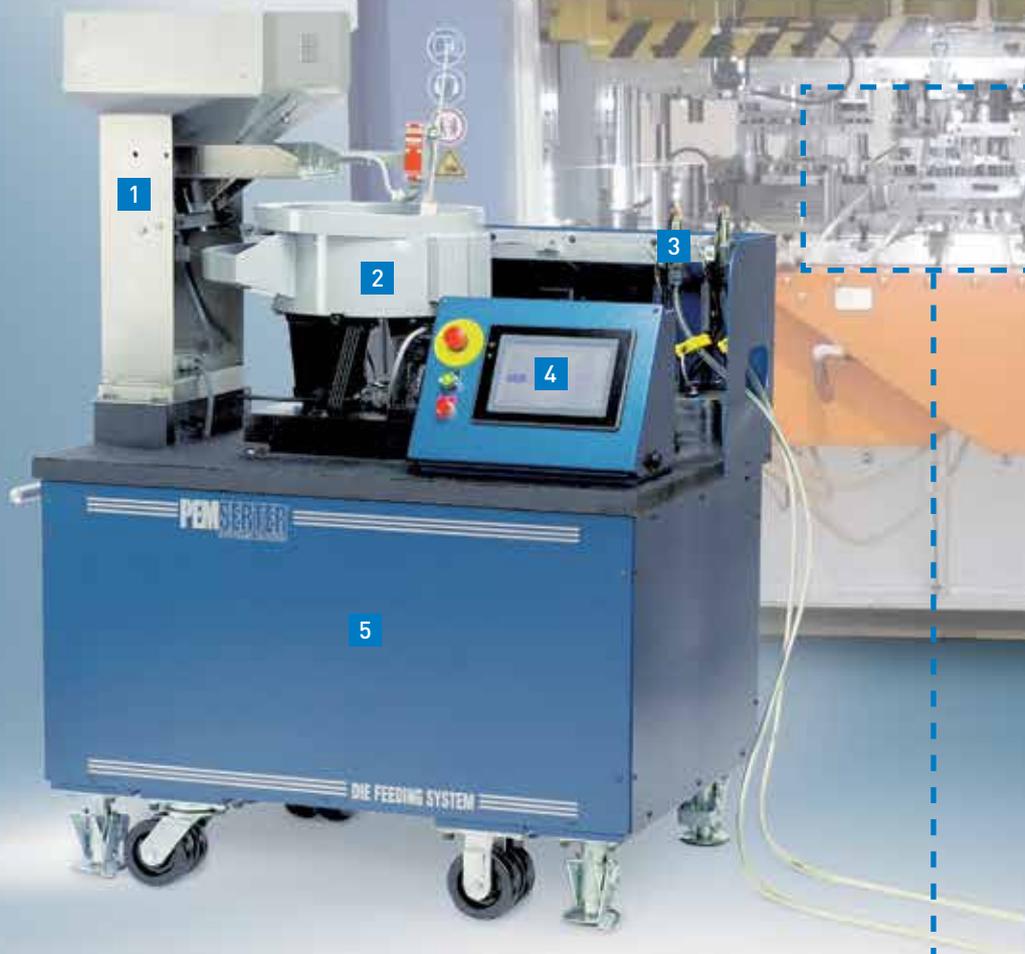
- No additional work step
- No additional processing time
- No additional handling
- Little additional space required

Regardless of the processing requirements, the PEMSERTER® machine program guarantees the optimal pressing in of PEM® self-clinching fasteners.

Advantages

- System concept - fasteners and feeding technology from a single source.
- The fasteners can be inserted in any angular position.
- Die heads are almost free of wear and tear and are maintenance-free.
- Integrated process monitoring of the installation process.
- Quick and easy conversion of the feeding devices (carts) for thread sizes M5, M6 and M8 is possible and included in the scope of delivery. Further variants and thread sizes on request.
- Up to five tracks (different self-clinching fasteners) can be controlled simultaneously with the IN-DIE system.
- The feed tracks, the separators and the tube lines are individually monitored by sensors.





1. Hopper
2. Vibration feed bowl
3. Feed tubes, separation and feed sensors
4. Touchscreen control panel
5. Movable basic feeder cart

Technical specification

- Electrical connection: 230V/50Hz/16 Amp.
- Air connection: 6 – 7 bar
- Height (incl. Hopper): 1.580 mm
- Width: 790 mm
- Depth: 1.220 mm
- Weight: 770 kg

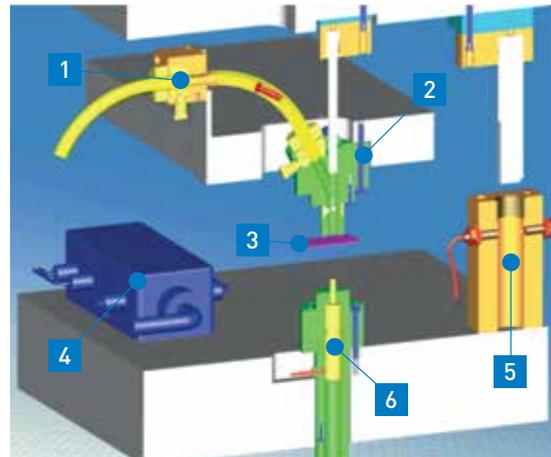


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Processing example of a bolt set from above

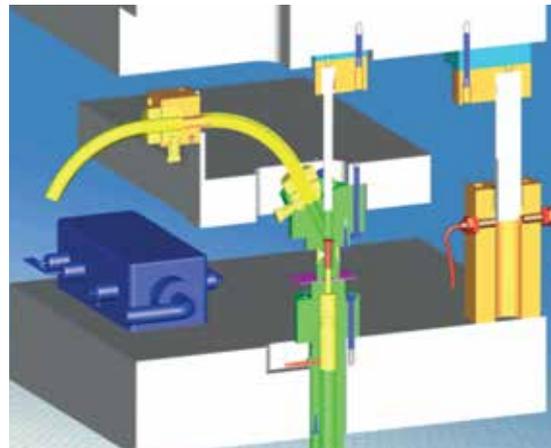
The PEM® self-clinching fastener is shot from the feeding device through a feeding hose into the installation head [2] and held there against falling out. The feed hose is connected to the tool with a coupling [1].

1. Coupling
2. Installation head
3. Parts
4. Control box
5. Sensor technology
6. Die



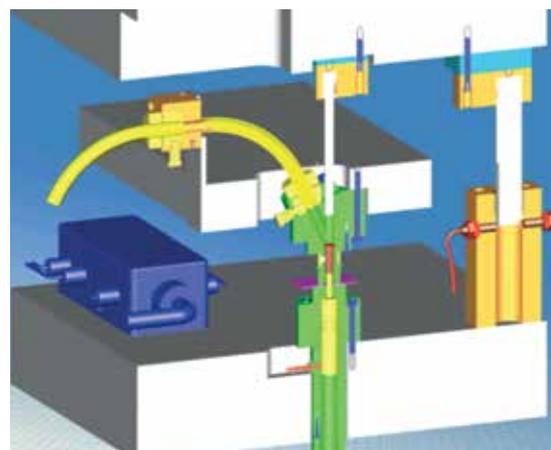
In the downward movement of the tool, the PEM® self-clinching fastener is installed [6] into the pre-punched component [3].

The sensor system [5] uses the direct movement of the tool and is connected to the control box [4].



After the installation process, the PEM® Self-clinching fastener checked for correct fit.

The control box [4] serves as a communication interface between the tool and the control of the feeder.



KVT-Fastening - Fastening technology



Blind rivet nuts



Blind rivet technology



Thread inserts



Self-clinching fasteners



Stud welding systems¹⁾



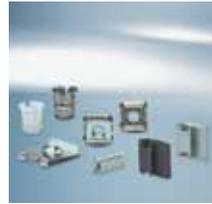
Lock nuts



Bonding fasteners



Access solutions



Quick fasteners elements and chips



Quick release pins and spring plungers



Adhesive and sealants¹⁾



Construction fasteners²⁾



Special processes²⁾



Plugs



Presser intensifiers³⁾



Installation technology



Quick connectors⁴⁾

Fastening, sealing and flow control solutions for complex applications

The extensive KVT-Fastening portfolio offers optimal solutions for your most challenging applications. The products included in this catalog represent only a selection from our entire product portfolio. Upon request, we will be pleased to provide additional information or an individual consultation to you.

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Bossard SmartBin and SmartLabel are intelligent logistics systems which monitor stock with total reliability and ensure stock replenishment automatically.

An online system transmits the data to our server, and this – if necessary – triggers an order. These systems ensure quick and easy availability of C-parts while production is running.



Logistics systems

Competent analysis for efficient Engineering Services

KVT-Fastening's highly qualified experts analyze the given task at hand.

Based on this sound understanding of the project, they then develop ideal solutions that are economical, efficient, and safe.



Solutioneering

For more information about our range of products and order at our E-shop, please visit www.kvt-fastening.com

¹⁾ Not available in Germany. ²⁾ Only available in Switzerland. ³⁾ Not available in Switzerland. ⁴⁾ Not available in Austria.

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