



Leading by design for over 75 years.

○ **1 billion**

PEM fasteners are produced and sold in Europe annually.

○ **2 600**

PEM customer accounts in Europe

○ **23**

PEMs installed per minute by Haeger machine

○ **320**

PEMSERTER® In-Die references in Europe





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Self-Clinch

The method by which a fastener is securely attached to a sheet of ductile material by causing the material to cold flow under pressure into an annular recess of the fastener thereby securely locking it in place.

- **Strength**
Stronger threads.
- **Improved DFMA**
Reduction of loose hardware and handling.
- **Cost Reduction**
Decreased installation cycle times (In-die capable)
- **Design Flexibility**
Can be installed into dissimilar metals.
- **Clean process**
Environmentally friendly - no weld splatter, less energy requirements



Automotive



Electric Vehicles



Automotive Electronics



Smart Cars



Electronics



And many more...



Invitation to Innovation



Book your PEM TechDay with our R&D expert

"In R&D we are looking into the future.

We follow the market and technology trends and, with this insight into the challenges facing our customers, develop new innovative fastening solutions. This involves everything from simulation, modelling and prototypes to manufacturing introduction, evaluation and test.

The ever-faster pace of change is driving our customers to reduce cost, improve quality, reduce weight and address environmental impact. This brings brand new material technologies and processes every year and we maintain our relationship with the research community do drive our R&D programs.

I joined Penn Engineering, having previously worked in Defence, Telecoms and Medical Devices fields. And, here, I get to stay in touch with the developments in an even wider range of industries every day.

Trevor Fahy
PEM R&D Engineer



- 2019**
PEMSERTER® Haeger Universal Robot Cell

In collaboration with Z-Tech Solutions Haeger Europe has implemented an insertion machine in a universal robot cell. This creates a fully automated insertion process.
- 2018**
1 billion PEM fasteners is produced and sold in Europe annually.
- 2001**
The Galway plant became the European Headquarters for PennEngineering, and over the years has significantly expanded its operations and facilities
- 1956**
PEM registered brand
- 1942**
K.A. Swanstrom, formerly president of Elastic Stop Nut Corporation, leaves company and establishes Penn Engineering & Manufacturing Corp



1940s
Huge market demand for easy, reliable and clean way of connecting metal sheeting.



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Contact

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