

**SELF-CLINCHING & PIERCING SOLUTIONS**

## Easy installation - superior performance

**Time and cost saving**

In the wake of modern industrial changes, thinner and lighter components such as metal plates, PC boards or plastic pieces are increasingly used due to ever growing demands from consumers. While trying to achieve secure assemblies with high torque-out and pull-out performance, manufacturers are also looking into ways to simplify the process and ensuring cost savings. A great way is looking into the design phase of the assembly by reducing the number of fasteners required, leading to fewer process steps in the final assembly.

Self-clinching solutions ensure secure assemblies while being easy to install. This leads to cost savings due to reduced fasteners cost as well as shorter assembly times.

**Common industrial applications**

- Automotive
- Electrical products
- Sheet metal fabrication

## SELF-CLINCHING & PIERCING SOLUTIONS

# Easy installation - superior performance

---

Bossard portfolio of self-clinching & piercing solutions are able to meet the different industrial requirements. From thin sheet metal to heavy duty applications, our range of product solutions allow us to meet individual customers' requirements. Using our broad portfolio and technical expertise, we support our customers from design to mass production, reducing costs and increasing competitiveness. Listed below are some of our product solutions. The product images shown are for illustration purposes only.

To find out more about our product solutions, do contact us at [pd.asiapacific@bossard.com](mailto:pd.asiapacific@bossard.com).

---

### SELF-CLINCHING NUTS & STUDS

- High torque-out and push-out resistance
- Thread-locking and self-locking for assemblies exposed to dynamic loads and vibrations
- Floating functionality to compensate mating hole misalignment



---

### SELF-BROACHING STANDOFFS

- Electroplating to promote solderability for PC boards
- Suitable for non-ductile materials
- High torque-to-turn resistance and pull-out performance



---

### FASTENER INSERTION MACHINES

- Fully hydraulic mechanics and modular equipment based on your needs
- Single-touch technology for precise and process reliable instalment
- Automated and customized solutions for process cost reduction

