



3-Axis Vibration Technology
Innovation by asyril

INFOTECH
automation

Infotech AG is a Swiss company that develops assembly machines for the electronic, semiconductor, watch assembly, micro-mechanic, photonic, biotechnology and pharma sectors.

Integrate Products

3 Flexible Feeding Systems Asycube 80



SUCCESS STORY

asyril Experts in Flexible Feeding Systems

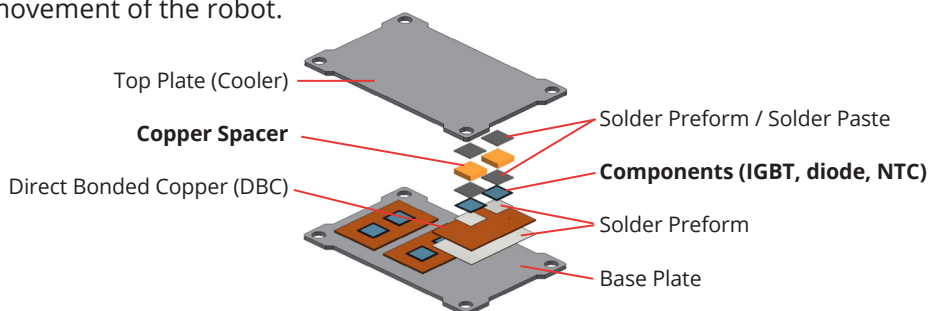
Placing copper spacers on electronic components

Flexible production system, by Infotech.

Many sectors require (electronic) power modules, especially for power plants and the manufacturing of locomotives and electric cars. In the production process of these power modules, copper spacers are used as thermal conductors to evacuate the heat of the electronic components.

The Challenge

- ▶ Ensure heat transfer between the components and the cooler by placing spacers of **different sizes** and **thickness** on the electronic components.
- ▶ Minimize the **series changeover** time to enable the production of different power modules on the same production line.
- ▶ Position a spacer on a component **every 2 seconds**.
- ▶ Feed the spacers in concurrent operation time to ensure the continuous movement of the robot.



The solution

- ▶ Infotech has developed an assembly machine for power modules using their own **Cartesian IP 620 robot** and **three Asycubes 80** from Asyril.
- ▶ To guarantee the cycle time, **six assembly heads** are used to grip the spacers who are separated by the three Asycubes.
- ▶ A **control camera** enables to position the spacers on the components with precision.
- ▶ The use of standardized products, such as the Asycube, allows Infotech to offer their automotive clients **the flexibility of a custom-fit machine at the cost of a standard one**.

