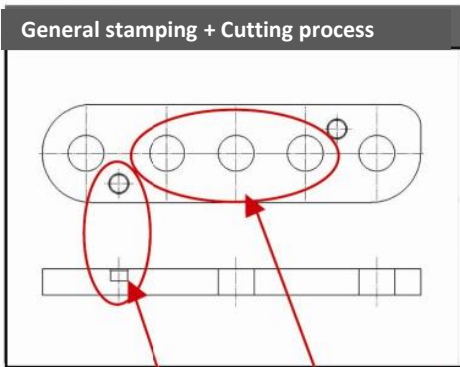


25% Cost reduction, high precision punch holes, Blind hole drill molding capability.

Conventional product

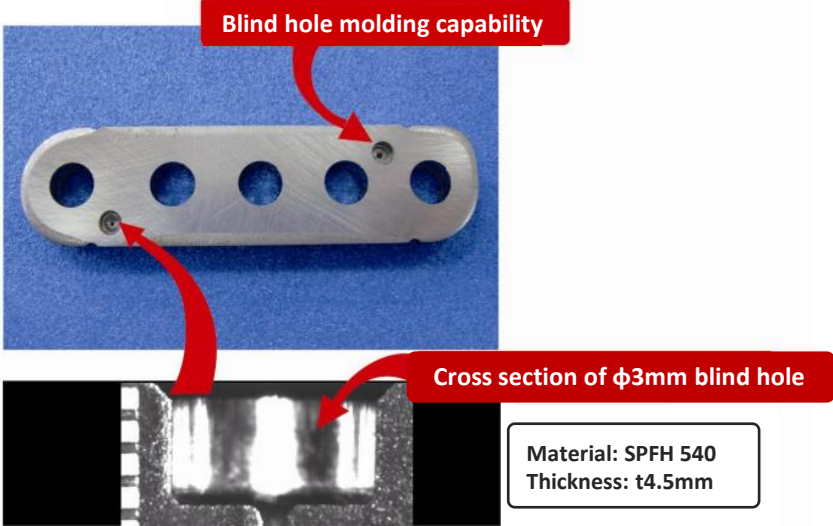


Customer challenges

- Low production
- High cost
- Cutting Burr

**【KIYA'S NEW Method】**

Solved issues by changing to **Cold Forging Progressive method!**

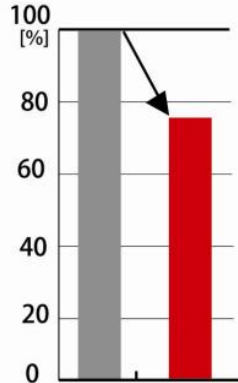
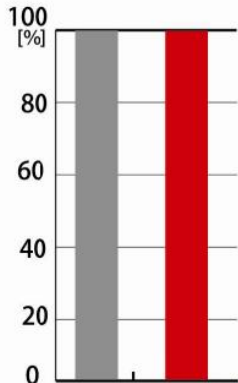


φ6mm punch hole Cutting process...3 places

φ3mm Blind hole Cutting process...2 places

Identical features

25 % Cost reduction



Conventional KIYA's process Conventional KIYA's process

**Customer Benefits !**

- **25% cost reduction** was achieved by changing the cutting process to Kiya's CFP method!
- Achieved the equivalent precision quality for punch holes as the traditional cutting process.
  - φ6mm holes... equivalent shear plane as the reaming process.
  - Hole diameter tolerance is less than 0.004mm by C face pressing.
  - φ3mm holes... **Hole diameter tolerance is less than 0.005mm and pitch error below 0.06mm.**
  - Secured 1mm straight part and finish as blind hole drilling!
- Kiya's CFP method has made **"Blind hole molding" possible!**