

Narrow Bridge Shearing Technology

- Mass Production
- Prototype
- Development

Precision

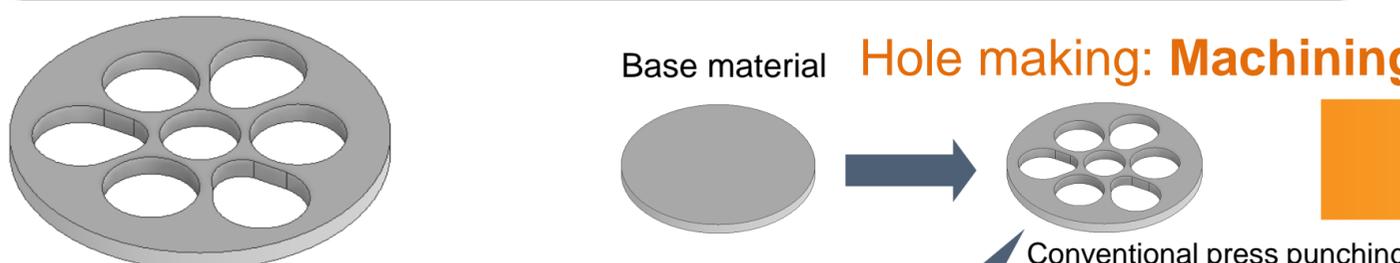
Product Features

- Elimination of machining production by enabling press punching for narrow bridges

Product Technology

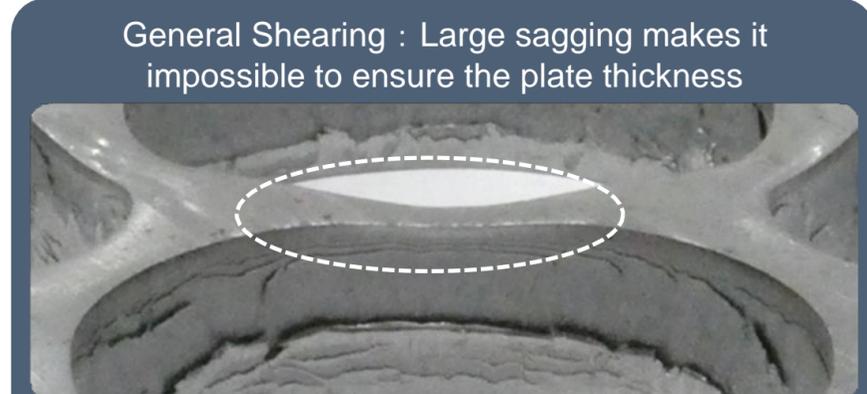
- A method that suppresses sagging even in thick plates where the bridge width is only 30% of the plate thickness. Improved from 1–2 mm (Conventional) to **0.06 mm** (Developed)
- Achieving both sagging suppression and improved sheared surface quality on general-purpose press machines through innovative die design

Conventional



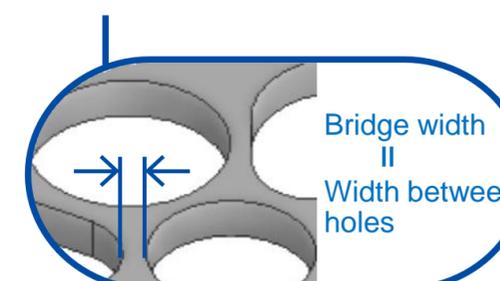
Base material → Hole making: **Machining** → Conventional press punching

General Shearing : Large sagging makes it impossible to ensure the plate thickness



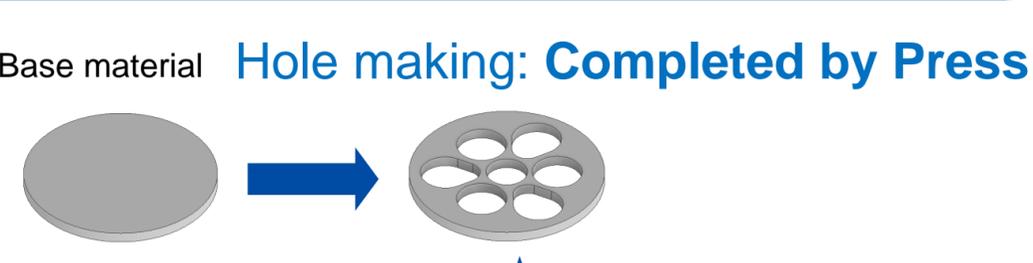
Sagging amount: 1–2 mm

【Technical Overview】
Plate Thickness: 10 mm
Bridge Width: 30% of plate thickness



Bridge width || Width between holes

Narrow Bridge Shearing Technology

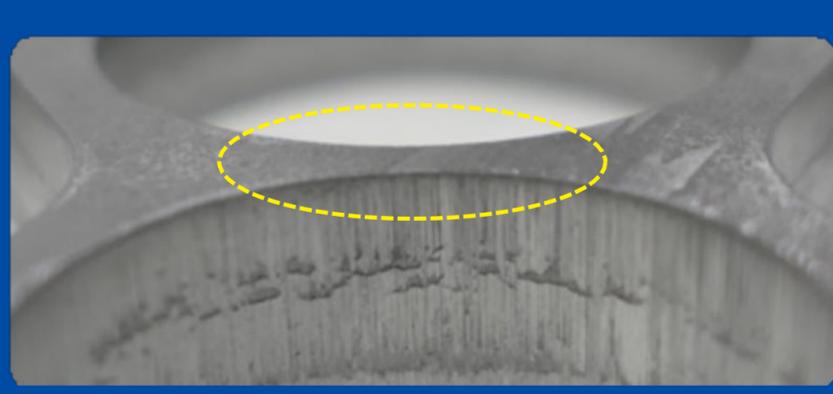


Base material → Hole making: **Completed by Press**

Sample Specifications

Material: SCr420
Plate Thickness: 10.5 mm
Bridge Width: 30% of plate thickness

※Ongoing Development: Full Sheared Surface



Minimal sagging (Thickness decreasing) of only **0.06 mm**