Solution Technology in Dimension Accuracy for Ultra High-Tensile Strength Steel Sheet: Pulsation Management Technology, Repeated Bending Technology

Effect

The parts dimension is stabilized regardless of the strength of the material.

Progress


Points

Characteristics:
Hat channel with excellent dimension accuracy is formed in two processes
1st Process: Springing Control (Correct setting of the tilt angle $\theta$ of vertical wall)
2nd Process: Double-Bending (Correct setting of the bending position shift $\Delta W$)

$\theta$ and $\Delta W$ are reduced by controlling the tilt angle $\theta$ of the vertical wall

Conventional Forming

Springing Control, Double-Bending