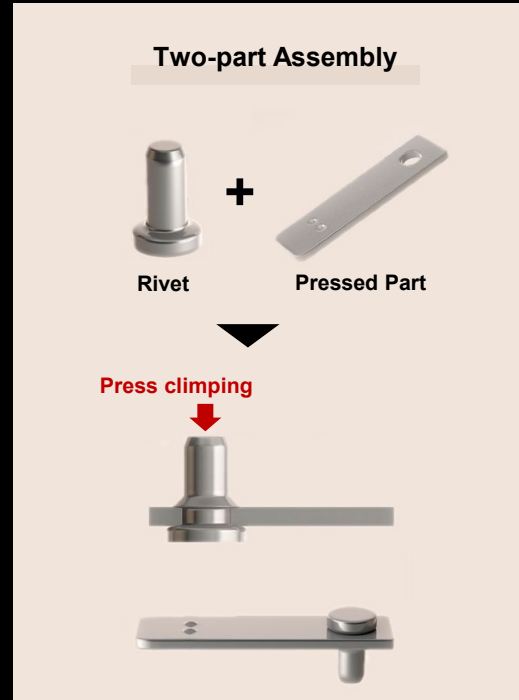


CASE5. ECO Friendly Production

- Increased eco-friendliness through unification of separate parts into one formed piece

BEFORE (Original Design)



Two-piece assembly where a stamped plate and a cold formed shaft were fastened together (crimped).



User Needs

I want to make my product eco-friendly.

VAE PROPOSAL



Create a single piece cold formed part to eliminate the need for crimping and reduce scrap.

AFTER (Results)



Scrap metal :

10.1t Reduction

CO₂ emission :

84.3% Reduction

*calculated by energy cost savings