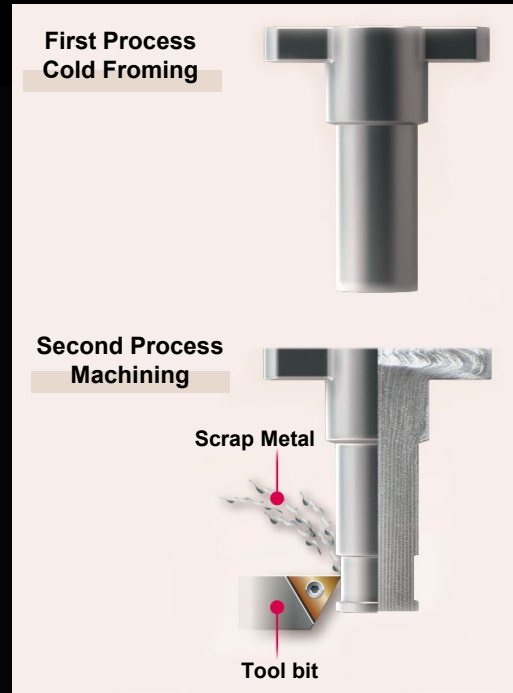


CASE3. Eco-Friendly Production

- Increased eco-friendliness via singular cold forming process

BEFORE (Original Design)



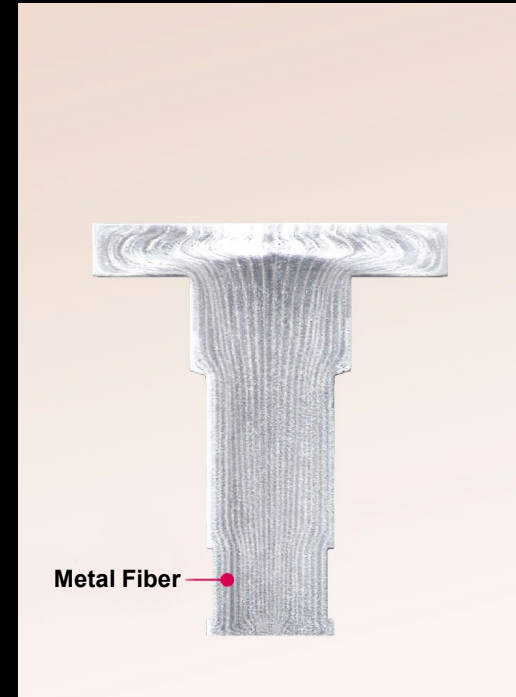
This part was originally manufactured in a two-step process, which led to increased scrap production and emissions.



User Needs

I want to make my product eco-friendly.

VAE PROPOSAL



Manufacture part on a single machine using cold forming.

AFTER (Results)



Annual reduction of scrap :

190 kg

CO₂ emission :

80% Reduction

*calculated by energy cost savings