

Pressed gear

☐ Production

☐ Prototype

☒ Development

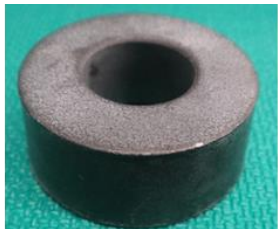
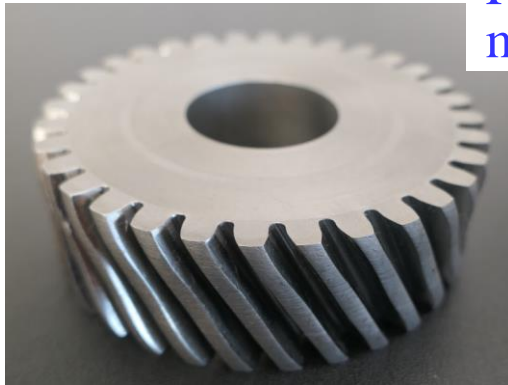
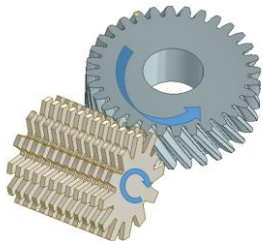


■ Product Features

- Improved yield of gear materials
- Abolition of rough gear cutting process

■ Product technology

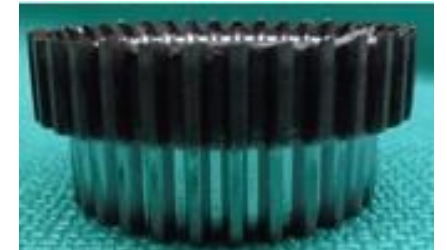
- Cold press forming of helical gear($\Phi 100$ size)

Process	Current situation	The aim
Material Forming	Hot Forging 	Realized by pressing  Pressed material
Rough gear cutting process	Cutting 	
Heat treatment	Carbonitriding	←
Finishing processing (Gear polishing)	Honing or Grinding	←

Press production of small gears is also possible

(Tooth profile accuracy after pressing : JIS5~8Grade)

Stepped spur gear
($\Phi 37.5$)



Helical gear
($\Phi 23$)

