



NEUGART difference - features not found in other gearheads

Competitors

most competitors do not hard finish the gears at all, 😞
hard finishing = precision final machining (grinding or honing) after heat treatment, in hardened condition
some competitor grind the external gears
Competitors do not offer honed gears, 😞



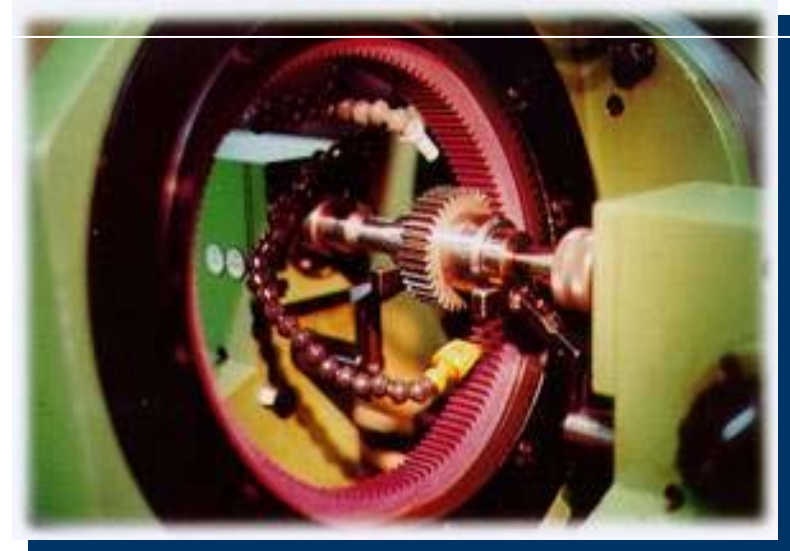
NEUGART

All gears are honed in the Neugart PLS, WPLS, PS-HP, PLF-HP, products E-series has honed palnet and sun-gear

Advantage of HONED gears



- Higher input speeds
- Increased surface durability and load ability
- No “wear in” no lubricant contamination with wear particles
- Virtually no increase of backlash in operation
- Improved gear efficiency
- High gear quality (AGMA 12 or higher)
- Reduced noise generation





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Gear Honing



Honing – precise Hard finishing method

During the grinding process “grind lines” are generated on the gear face running transverse to the face.

This crates noise vibration, gears need to be worn in

HONING:

Leaves smooth surfaces no machining marks in transverse direction, improves concentricity, corrects the distortions after heat treatment,

Honing facilitates to achieve highest gear accuracy

Schematics of the Gear HONING (Shave Grinding) Process

