





When the Mill Maker won't

Set of objectives

- Reduce Roll slippage.
- Reduce Roll change time.
- Reduce weight of Roll change equipment.
- Reduce cost of replacement parts
- Supply full set of manufacturing drawings

Original Roll Shaft





Modified Roll Shafts





Modified Roll Shaft Detail



Taper Sleeve



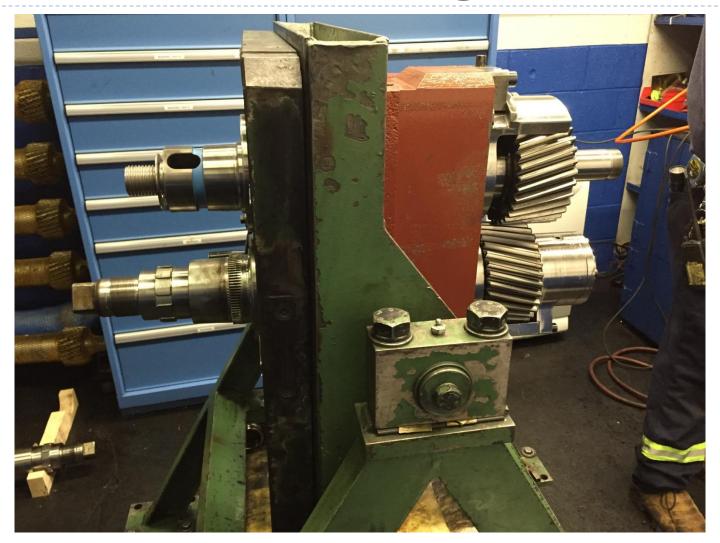
Modified Roll Shaft Detail



One of each Roll Shaft



New roll shaft fits original module



Two new design Roll Shafts





Roll Change Parts



Module ready for Discs fitting



Set of objectives

Reduce Roll slippage.

Reduce Roll change time.

Reduce weight of Roll change equipment.

Reduce cost of replacement parts

Supply full set of manufacturing drawings

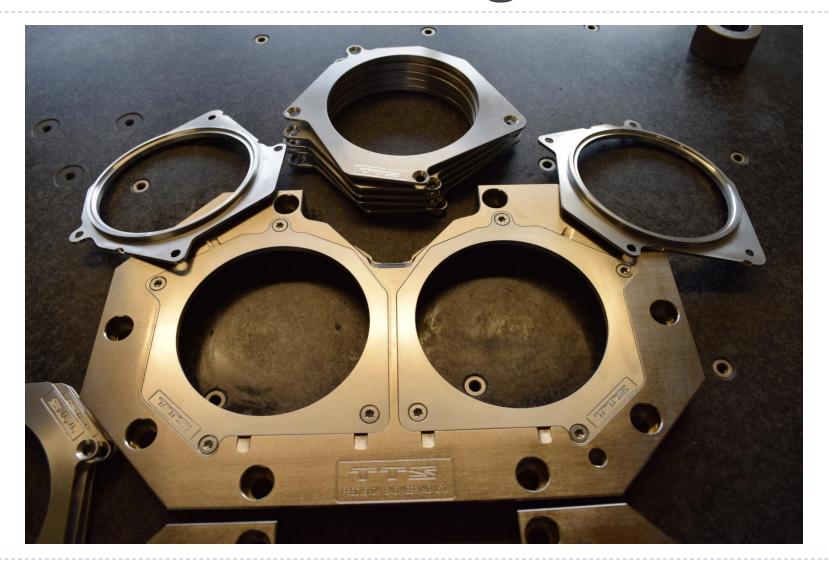


Original Seal Plate, Figure 8 Plate





New Seal Plate. Figure 8 Plate



Re-designed Guides

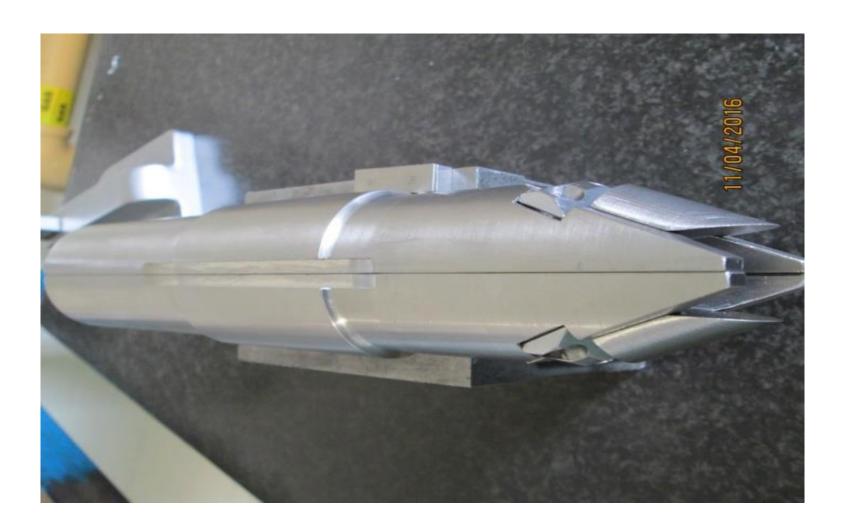


Exit Guide with Stripper





Exit Guide with Strippers



Bespoke Twister Guide



Bespoke Twister Guide Housing





Modified Guides

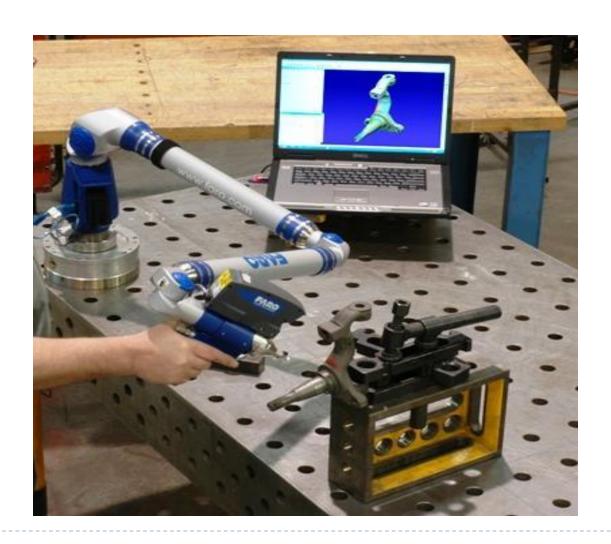




Exploded view of Guide



Faro Arm 3D Scanning

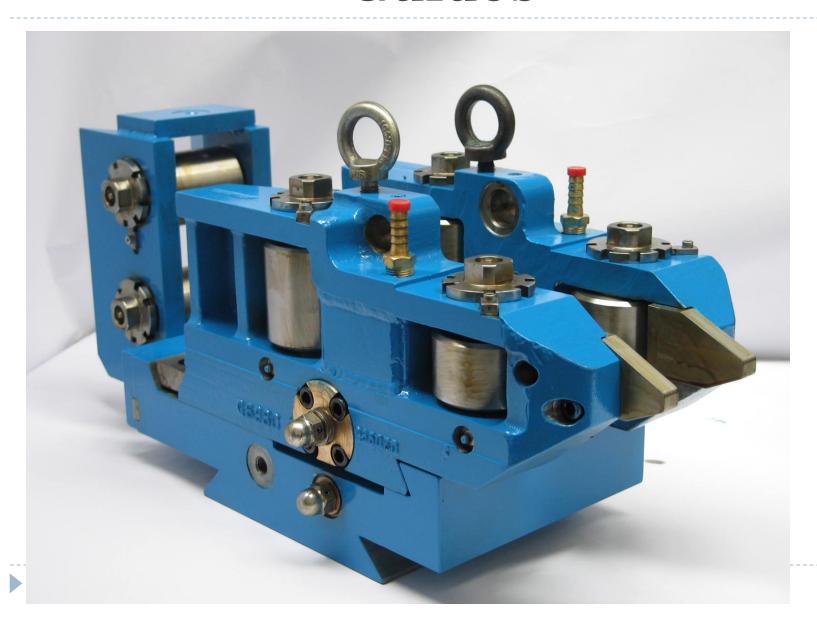


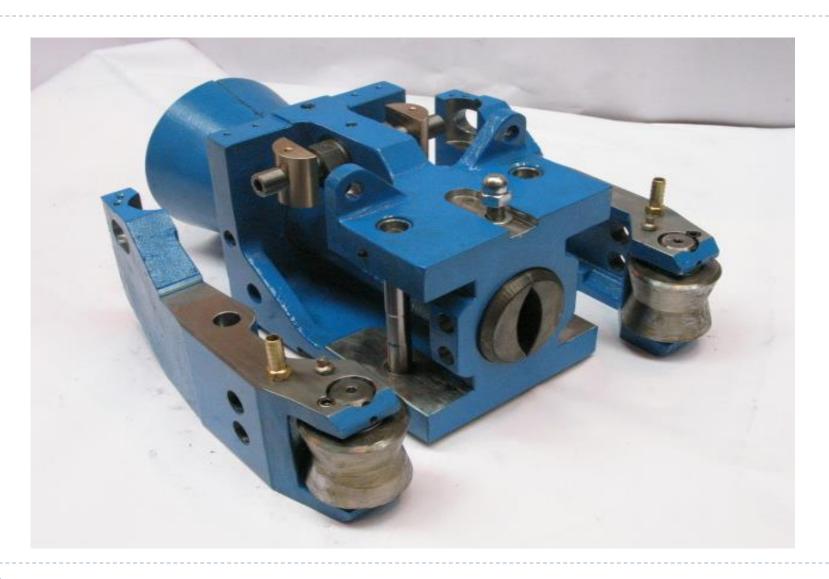
3D Laser Scanning





















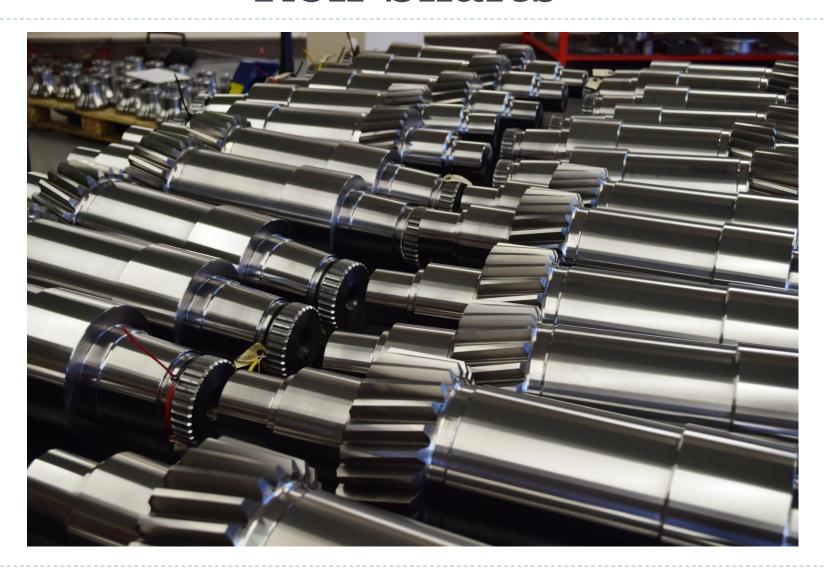
Danieli type sleeve with spline



Roll Shafts



Roll Shafts





Roll Shafts & Neck Rings

Pic var







