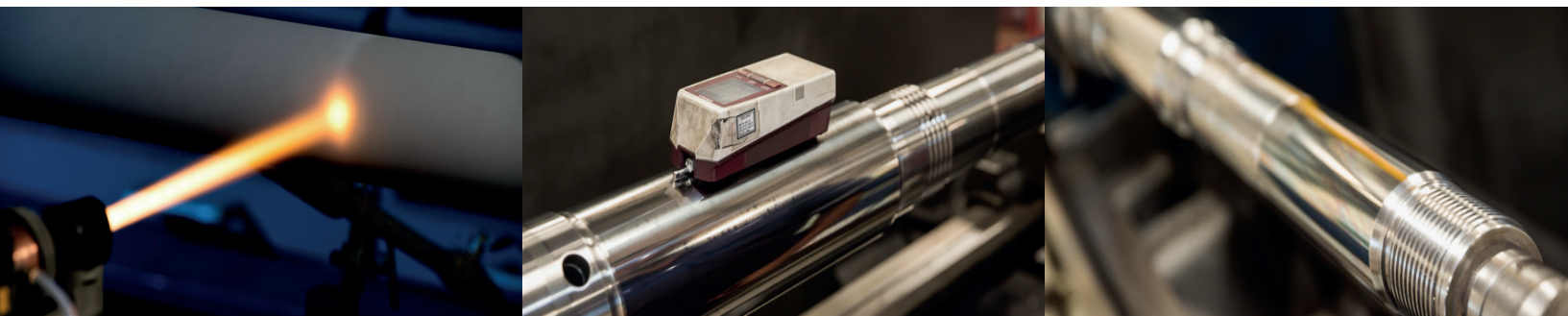


## SURFACE TECHNOLOGY: COMPRESSOR RODS

**ONE-STOP-SHOP FOR FULL MANUFACTURE AND REFURBISHMENT..**

Large reciprocating compressors (< 1,000 hp) are commonly found in large industrial and petroleum applications ie. refining, pipeline transportation, fertiliser production, melamine production and chemical processing. Rods in reciprocating compressors are driven by a crankshaft, can be either stationary or portable, single or multi-staged, and can be driven by electric motors or combustion engines.

The Rods are a critical component in the system, manufactured to high tolerances and incorporate wear resistance overlays. These Rods are exposed to accelerated wear and corrosion in the packing seal areas; the High pressures, corrosive media and inadequate lubrication lead to premature failures and un-planned downtime.



Asco AST coatings are used to combat failures in high wear and corrosive environments to extend the wear life of new and restored compressor rods, piston rods and plungers. Tungsten Carbide and Ceramics are applied, in the range of 0.004" to 0.030", using our latest Thermal Spray systems, in addition we also provide Induction Hardened rods. Seal areas are critical in dry running compressors and subsequently finished to specifications as low as 2 Ra.

### BENEFITS OF PARTNERING WITH ASCO

- One-Stop-Shop – full manufacture, refurbish, thread rolling, surface technologies
- Surface Technology experts - Tungsten Carbide, Ceramic coating and Induction hardening
- Full CNC / CMM inspection and traceable quality pack provided with every rod
- 30+ years of expertise in Compressor and Piston Rod manufacture
- 4140 (NACE), 420 (NACE) and 17-4PH base materials
- Highly skilled and experienced engineering team
- Quality equivalent or superior to the OEM
- Fast Track delivery service also available

