



**servis**  
heat treatment

## Data Sheet - Zeta NT™

### **Description:**

Zeta NT is an accelerated gaseous nitriding process which greatly reduces the long turn around time traditional with the classical processes and also replaces the brittle 'white layer' characteristic of the standard nitriding process with a more flexible compound layer.

### **Application:**

Applied to alloy nitriding steels as an alternative to classical nitriding the process is carried out at conventional temperatures and as such movement during processing is minimal. It is not necessary to remove the surface layer after treatment.

Typical components: crankshafts, gears, camshafts, cylinders, seat slides.

### **Metallurgical Aspects:**

Compound layer depth: 0.015 - 0.03 mm.

Compound layer hardness: 700  $\mu$ Hv plus.

Substrate hardness: Material dependant.

**Zeta NT Process - En.40B Material**

