

Hardide Coatings extend pump life and reduce turnaround time

Hardide Coatings' range of advanced Tungsten Carbide-based CVD coatings offer pump manufacturers extended part life and enhanced performance in applications where the handling of chemically aggressive or abrasive fluid causes costly loss of production and downtime. The pore-free coatings are hard, tough, flexible, ductile and impact resistant, and can coat internal surfaces and complex shapes. Hardide also offers facilitated finishing - in the majority of applications there is no need for post-coat grinding - which reduces cost and turnaround time compared to traditional coating methods.



A Hardide customer, a major US pump and steam turbine design and repair specialist, commented: "For years we have struggled with the design of unique pump components trying to strike a balance between performance and manufacturability. The Hardide process allows us to finish machine the intricate geometry then add a precise thickness of the Hardide matrix to produce a part with great wear characteristics and low co-efficient of friction. Recently, a customer suffered a system upset and introduced a large amount of ceramic bead catalyst to the pumpage and destroyed all of the 8-stage pump internals except the Hardide-coated components. The Hardide-coated components were re-used in the refurbished pump."

**For more information contact Hardide Coatings Ltd,
Bicester, Oxon**

Tel: +44 (0) 1869 353830

Fax: 01869 353831

E-mail: info@hardide.com

Web: www.hardide.com

- or enter E on ENQUIRY COUPON (see back page).