

SERVICES TO THE PAPER INDUSTRY

Avweld was originally established to service the aviation industry, primarily in the application of plasma coatings for the repair of turbine components. From this high tech. background we have developed into a provider of services including manufacture and repair of a broad range of industry equipment. Our focus is on high wearing equipment that can benefit from either redesign or surface engineering.

In the paper industry we have been specifically involved in improving the service life or manufacture of the following components:

Rotary Valves - both manufacture and redesign including retro fitting improved seal apparatus.

Screws (de-waterer, plug, press and conveyor) - primarily upgrade from Stellite to our specially applied tungsten carbide. Life improvement has been as high as six fold with decreased wear at that stage over O.E.M. spray fuse tungsten carbide coating or stellite.

Steam Joints (Johnson) - Protection of wearing surfaces with Top Gun applied tungsten carbide which is then specially ground to achieve a perfect finish for bedding in and still give a quantum leap in component life with greatly reduced wear on carbon seals.

Refiner Sleeves (Jordan)- We have increased life of these components at least seven fold over the previous Stellite coating and they are still running with no measurable wear. The other advantage of this coating is the reduced maintenance and wear of packing material as a result of the surface maintaining its finish with only slight polishing after very long service.

Neles Jamesbury Chemical control segment ball valves - Full repair including spindle, segment ball(welding and Titanium Dioxide coating), manufacture of seats (316,Titanium) and provision of all sealing components during assembly.

Pumps - Protection of wetted pump components from corrosion and wear with our propriety three part AV10 Chrome/Boron coating. As with refiner sleeves we tungsten carbide coat pump sleeves with excellent improvements in life.

Cleaners - AV10 Chrome/Boron protection of wearing components.

Breaker Traps - AV10 Chrome/Boron protection of wearing components.