Bodycote

TOUCH DOWN

AIRCRAFT LANDING GEAR

Safety critical landing gear must perform without fault every time the aircraft flies. A combination of thermal processing techniques is used to ensure the steel's material properties are optimised and to protect it during its working life. Traditionally, landing gear has been surface treated using hard chrome plate, but this is now being superseded by more environmentally friendly thermal spray processes, which provide extreme wear and corrosion resistance.

Alloy steel billet is forged to shape.

The part is heat treated to harden and temper the steel.

A thermally sprayed surface treatment is applied to replace hard chrome plate for improved wear and corrosion resistance.

The component is surface machined using diamond tools due to the extreme hardness of the surface finish.

End application – aircraft.

BODYCOTE COMPONENT JOURNEYS

This is just one example of how Bodycote brings together the huge wealth of knowledge and expertise from across the Group to provide the vital engineering services our customers need.

For more component journeys visit **www.bodycote.com**

The Bodycote 'B' next to a component journey stage shows where Bodycote's vital services have been applied.