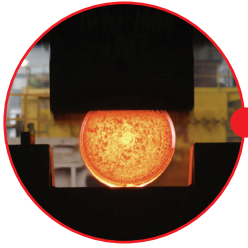


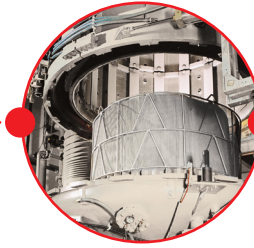
A component journey

Touch down – 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 Traditionally, the landing gear has been surface treated using hard chrome plate, but this is now being superseded by more environmentally friendly thermal spray processes, which provide extreme wear and corrosion resistance.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 Ti billet is forged to shape.



B The part is heat treated to desired properties.



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



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



End application, **aircraft.**

B Denotes the parts of the component journey undertaken by Bodycote