

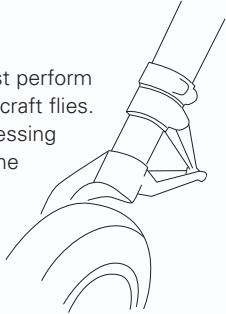
TOUCH DOWN – A COMPONENT JOURNEY

AIRCRAFT LANDING GEAR

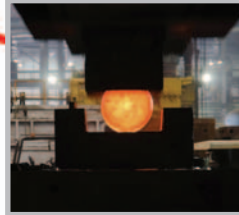
Safety critical landing gear must perform without fault every time the aircraft flies.

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Traditionally, landing gear has been surface treated using hard chrome plate, but this is now being superseded by more environmentally friendly thermal spray processes, which provide extreme wear and corrosion resistance.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



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



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



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



End application – aircraft

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