

Greentree-Shercon Custom mask relieves production pressures

A UK plating company was under pressure from customers to increase processing capacity for cadmium plating complex bearings, fortunately Greentree-Shercon were able to help

The existing masking operation was a two stage process, using a standard silicone pull plug and an acid resistant lacquer which had to be painted onto the complex shape by hand - a very time consuming process. The high value of bearings prior to the plating process meant there was little tolerance for rework and scrap parts from the plating procedure.

Working with the plating operators Greentree's team of talented design engineers created a two part custom plug which, when assembled with the component, forms a liquid tight seal. This mask, which takes seconds to apply rather than minutes, protects the central core of the bearing and leaves a spoface area that is clear of plating.

As well as reducing the masking time and increasing production capacity Greentree-Shercon's custom moulded solution brings a consistency to the product finish and is made of our custom formulated Ultrabake Silicone rubber increasing the longevity of the mask for re-use.

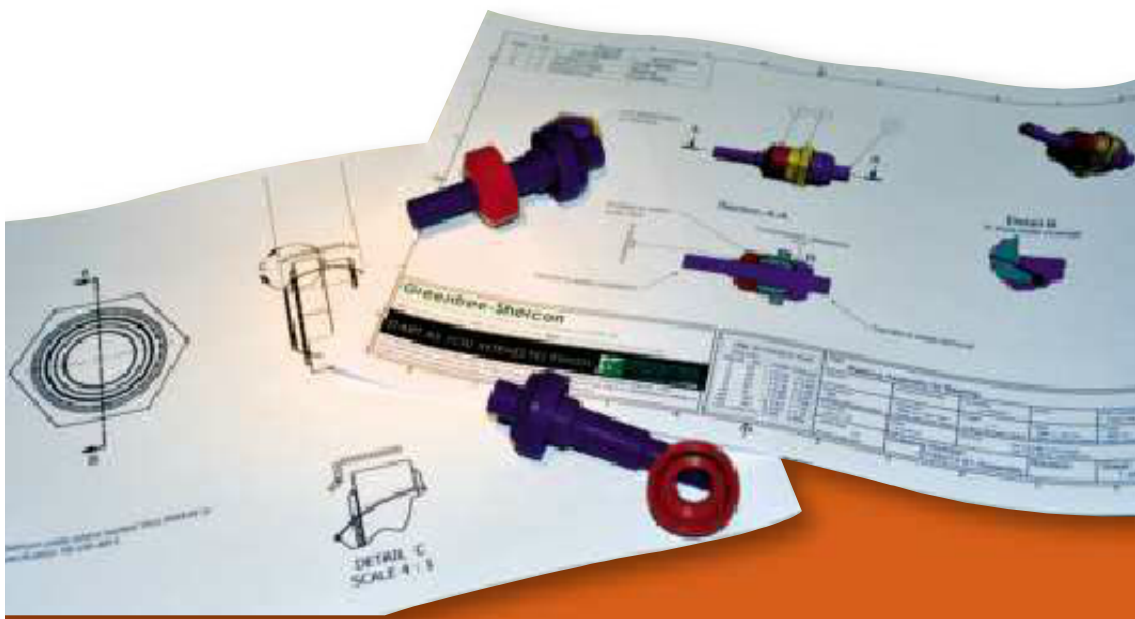
Key features:

- Two piece mask
- Profiled to match the central core of the component to ensure accurate positioning
- Tight seal through the centre of the component
- Seal area around the spoface diameters
- Undercut to allow for compression seal
- Handles to ease installation and removal
- Mask material has excellent compression set resistance and elongation properties to increase longevity
- Main handle is stepped to speed up installation
- Colour coded
- Engraved for part identification 

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Assembly drawing of part with finished custom mould