

PRECISION MACHINING ROTARY HOUSINGS

04

From prototype to production prepared at
capricorn AUTOMOTIVE Limited

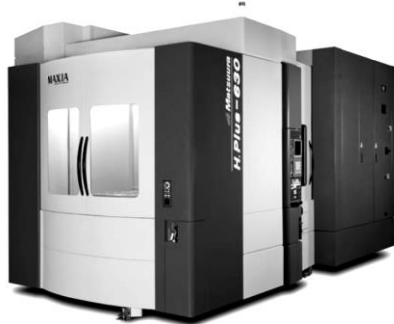


The leaders of complete machining of rotary housings...

We are truly proud of the fact that we can offer customers the complete in-house machining of their rotary trochoid housings, which includes in-house Finish Grinding of the trochoid and NDT testing.

Utilising the latest in CNC machining centres we can carry out all of complex processes for the machining of the trochoid shape. This is complemented by our in-house nickel ceramic coating, grinding, NDT testing, inspection and metrology services.

Behind all the equipment is wealth of knowledge and expertise built over many, many years, backup with onsite CNC programming with the latest editions of Solidworks, Edgcam and NCSIMUL. It's only when you combine the machinery with the experience of our people that innovative opportunities can be truly maximised.



Many of our customers have found that this full in-house comprehensive machining and coating service can generate significant benefits to them with the reduction of sub-contract processes, costs and lead-times. The addition of an aluminium sand casting foundry within the capricorn Group also allows us to offer customers a truly one-stop shop for casting and full machining of their rotary housings all carried out to AS9100 Rev D standards.



You can rest assured knowing that we complete detailed NDT and Sectional analysis for every batch of parts plated with our Nickel Ceramic Coating. These results will be presented to you on completion of order to ensure you have full traceability of the products produced. Within this data you will see SiC Count, Hardness, and adhesion results and the associated images as per the pictures shown on the left of this document.