

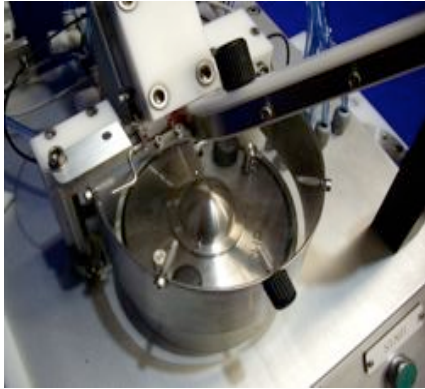
Design office and 3D Cad Services



CAD Design:

Our Design & Engineering Dept offers support to our customers in the areas of Design, Material selection, Production methods, specialist tooling & Assembly methods.

Projects range from simple holding, storage or masking fixtures to complex pick and place units that need a high level of CAD drawing and engineering specification. There are supplied with full engineering certification and materials trace ability. And a list of spare parts



We have also designed:

- Clamping fixtures
- Assembly jigs
- Customised workstations
- Test fixtures, mechanical push / pull, destructive, non destructive, electronic test, vibration testing, noise levels, torque, liquid flow
- Specialised hand tools
- Hand insertion assembly/ disassembly tools



Material selection:

We have chosen materials for projects such as Electro Static Discharge (ESD), high impact plastics such as PEEK, tough durable steels, specific stainless steels with higher than normal levels of constituent chemical properties, Plastic's required to operate at temperatures above 400 degrees Celsius, plastics with resistance to high acidity or high exposure to chemicals, Ceramics, Sintered and cast materials for various strength and mechanical properties. Aluminium Bronze for hardness and durability in bushings and gear chains. Aluminium grades such as HE30 for good anodizing properties, tooling plate 6160 for flatness and stability. Steels in ranges AISI 1020 to carbon steels in the AISI range 4140
Stainless steel types 304 , 316, 316L.
Plastics: Acetal, Nylon Cpcv, Textron, Peek. Kentron , UHMWPE