

Materials experience

ABS
Acetal
Acrylic
HIPS
Nylon
PETG-APET
PET-PETP
PEEK-PVDF-PSU-PEI-PES-PEI
PVC-Rigid and Foam
Phenolics
Polycarbonate
Polyethylene HD-HMW-UHMW
Polypropylene
PTFE



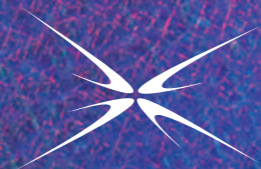
Industry experience

Aerospace
Automotive
Electronics equipment
Civil engineering
Food processing
Laboratory equipment
Leisure industry
Nuclear industry
Packaging and process machinery
Point of sale – shop fitting – exhibitions
Printing machinery
Rail industry
Sewage plant
Telecoms



Common brand names

Delrin
Foamex-Forex
Lexan-Makrolon
Nylatron
Perspex-Plexiglas
Propylex
Torlon
Trespa
Tufnol
Ultem
Vivak-Spectar



Advanced
Plastic
Technology

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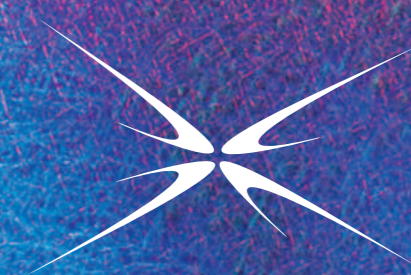
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Certificate No. FM40134



Advanced
Plastic
Technology

subcontract plastic engineering services
components - assemblies - fabrications

www.apt123.co.uk

A quick guide to our plastic engineering services...

Routing

- * Largest standard router bed available in the UK
- * Machining of material thickness up to 50mm
- * Quick set up time and high speed spindle speeds for fast cycle times

Laser Cutting and Engraving

- * Fast and accurate cutting of most thermoplastics
- * Any profile can be cut no matter how complex
- * Cutting and polishing in one operation

Drape Forming

- * Ideal for acrylic forming
- * Male and female tools
- * Components up to 3m x 2m in size

Line Bending

- * Line bends up to 3 meters
- * One off or large batches
- * Complex multiple bending facility

Milling

- * Vacuum and conventional piece holding
- * No contamination by metal swarf
- * 3 axis and 4 axis machining

Fabrication, Bonding and Polishing

- * Machine guards, covers and enclosures
- * Mitre, face, lap and butt joints
- * Flame polishing, wet sanding and buff polishing

Panel Machining

- * All manufacturing with CNC accuracy
- * Curves, holes, chamfers, rebates, radii, cut-outs

Welding

- * Manual speed welding for PVC, Polypropylene, Polycarbonate and PETG

Assembly

- * Simple or complex sub-assemblies
- * Manufactured or bought-in components

Subcontract Services

We have a network of subcontractors with whom we work closely to provide the following complementary services:

- * Screen printing
- * Spray painting
- * Packing service for ready-to-ship products
- * Injection moulding
- * Pressed and punched parts
- * Vacuum forming
- * Engraving

