

RAPITYPES

ADVANCED MANUFACTURING SUPPORT



SURFACE FINISHING /

RAPITYPES SURFACE FINISHING GLOSSARY

Rapid Prototyping

SLA
Finishing Levels

- | | |
|-----------|---|
| C' Finish | Support Structure removed, light bead blast |
| B' Finish | Support structure removed, layer build lines removed, light bead blast ('A' surface only, 'B' surface by prior arrangement) |
| A' Finish | All of the above, plus additional spray painting, or electro plating, or vacuum metalising, or polishing |

SLS
Finishing Levels

- | | |
|-----------|--|
| C' Finish | Natural, excess powder removed, light bead blast |
| B' Finish | Natural, excess powder removed, light bead blast, Water Proofing/Sealing |
| A' Finish | Spray painting, or electro plating, or vacuum metalising, or polishing |

Vacuum Casting

Vacuum castings can carry most production surface finishes direct from the tool, like textures and colour. Please specify colour and texture by RAL, Pantone, VDI, or Moltech reference.

Spray Painting

Rapitypes have extensive spray finishing facilities offering production finishes in a range of medium including Water Based, Acrylic, Two-Pack metallics, Soft-touch, and RF Shielding.

Electro-Plating

Rapitypes offer a range of metal electroplating techniques covering Copper, Nickel, Bright and Black Chrome with up to 2m length capacity.

Other finishes available include:-
Chemical Blacking & Bronzing
Passivating
Galvanising

Polishing

Rapitypes offer a metal and plastic polishing service to prototype and production components (Including tooling)
Steel/Stainless Steel, Aluminium, Brass, Acrylic/Perspex

Anodising

To compliment our aluminium CNC machining service, we offer a full Anodising treatment package covering Standard and Bright Anodising for mirror finishes in clear or Black.

Vacuum Metalising

Vacuum Metalising can be a cheaper alternative to Chrome Plating for prototype components. The parts are coated with fine aluminium and then lacquer protected. The effect can be the same but not as durable as Chrome.

Water Transfer Graphics

Water Transfer Graphics can apply any image to the surface of a part. Wood grain, Carbon fibre or metallic appearances can be given to any solid object, be it a Rapid Prototype or production material. There is a huge range of stock patterns to choose from or you can supply your own art work.

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