

PU Vacuum Casting

ARRK SPG's vacuum casting prototyping service gives you access to high quality, low volume reproductions of CNC-machined or stereolithography prototypes in a variety of polyurethane resins.

Unique service

Besides our standard vacuum casted parts for small and mid-size we offer a **unique service for large prototype parts** casted from one single piece.

- Maximum size part: 2300 x 1350 x 1250 mm.
- Part weight: Up to 12 kg.
- Materials and techniques: Technical PU resins with properties like ABS, PC, PP, Rubber, UL94 V-0, Clear, High temperature, overmolding 2K, 3K, etc.

Finishing

Your components can be painted, textured, polished and/or coloured according to your requirements.

The PU/Polyurethane method provides prototypes which resemble the final product not only in shape and material, but also in appearance and feel, so providing for visual as well as practical appraisal. In turn, these polyurethane prototypes can prove extremely valuable for early market testing.



PU Materials offered

ABS Like PU	ABS
HT-ABS Like PU	High Temp ABS
UHT-ABS Like PU	Ultra High Temp
TF-PP Like PU	Talc Filler Poly Prop
PP Like PU	High Impact Poly Prop
GFN Like PU	Glass Filled Nylon
FR Like PU	Flame Retardant (UL94 V-0)
CLEAR PU	Acrylic / Polycarbonate
CF Like PU	Carbon Fibre

Besides the rigid materials ARRK SPG offers Elastomer, flexible materials ranging from PU-Rubber Shore 20 to 90A. We can also cast Silicone Rubber materials in Shore 40 and 60A.

Example truck front panel and grille



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Interested in what we can do for you?
Scan the QR code for more information.



Our tech region:

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