

Make Your Vision A Reality.

Our Full Service
Offering.

ROGEN 2050



Design, Engineering & Manufacturing.

We are pleased to announce the formation of a new group of companies under the Puremedium Banner, this new group gives us a significant increase in our capabilities and allows us to deliver a true turn-key offer to our customers. From concept design through development to precision manufacture, completely managed in house. We develop bespoke ideas and turn them into reality. Built on our robust background of design, engineering and manufacturing we are perfectly positioned to realise any project into a beautifully executed item built on a quality driven promise.

To enable us to deliver we have a team of skilled designers and engineers with a wealth of experience and pride in the quality of what they produce. From full vehicles to the smallest detailed item we have the desire and ability to meet your expectations.

Whilst still developing our automotive and aerospace success stories we aim to continue to deliver these alongside our desire to take your bespoke idea and turn it into a reality.



Our Turn-Key Solution





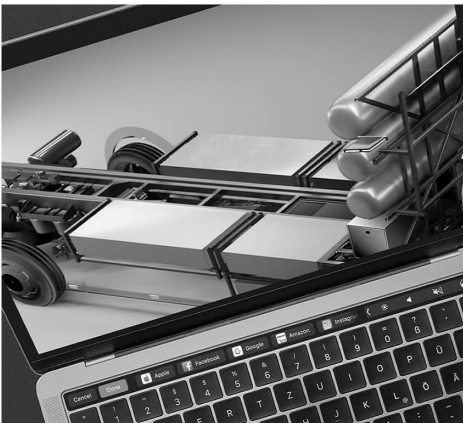
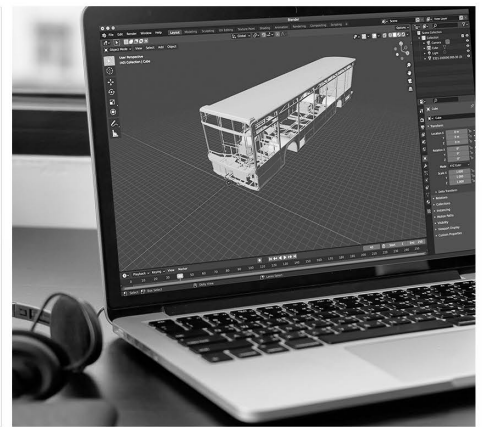
Styling Design

Puremedium has the ability to provide the following services at the start of a vehicle life cycle :

- Design research and strategic brand studies.
- Market Customer and Competitor profiling.
- Vehicle and Product architecture and ergonomic studies.
- 2D Sketch Programs for Interior and Exterior.
- 'In house' CAS team offering Alias, Catia, and Icem Surf digital development.

CAD Design

Puremedium offer full CAD support from Sketch Modelling through surface development to Production 'Class A' Surface release. We are well versed with industry standard software, typically Solidworks, Alias, and Catia.

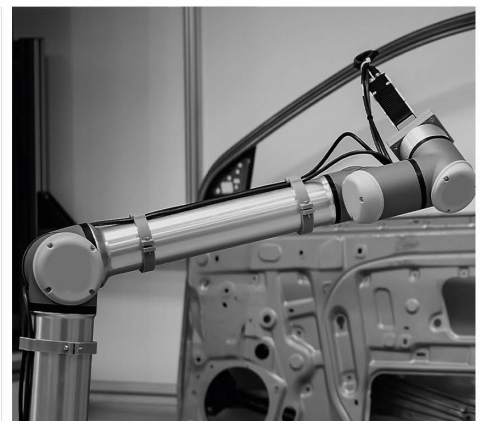


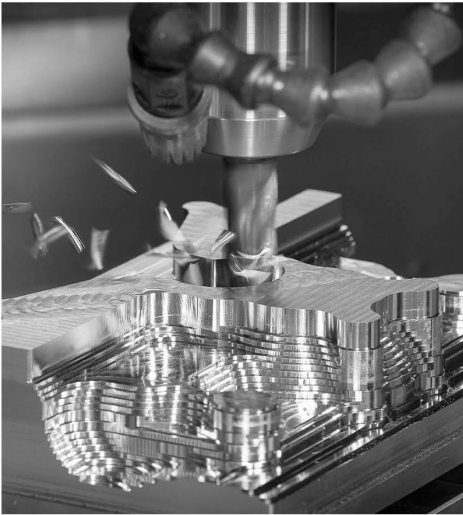
Design Engineering (Development)

Our Design Engineers are capable of taking proof of concepts through to fully developed designs for production.

3D Scanning

Puremedium has a dedicated prototype inspection area that utilises Alu-Fix flexible fixturing to eliminate the requirement for full checking fixtures. This is ideal for prototype and low volume to minimise investment. Puremedium use Axle software and deliver inspection reports in line with the customer requirements for inspection points from individual parts up to sub-assemblies.





Physical Models

Puremedium has the ability to provide the following services at the start of a vehicle life cycle.

- Clay Models
- Interior and Exterior styling models (Styling, Functional and Ergonomic).
- Aerobucks
- Cooling Models
- Assembly Fixturing
- Checking Media (Prototype & Production)

Show Properties

The Puremedium team has produced award winning show vehicles for many premium OEM studios, and has had vehicles exhibited at Detroit, Paris, Geneva, Shanghai, LA and Goodwood. Source has produced show vehicles for passenger cars as well as commercial vehicles and these can range from solid painted hard models to fully operational running vehicles. As well as show cars the Business has built Mule vehicles for early test and calibration work for all of our customers.



Tooling

Puremedium design low volume production tooling, cast iron prototype tooling, rubber press tooling, hammer forms, GRP tooling, carbon fibre tooling and vacuum forming tooling for prototype trim components. We also design and manufacture assembly fixturing from very basic low cost assembly jigs up to prototype framing fixtures for complete BIW assembly Puremedium have 3 and 5 axis machines capable of producing tools for large components such as bodysides, doors, roof panels for limousines and vehicle floors, as well as tooling for the aerospace industry.

Low Volume Production

Puremedium can project manage complex pressing programs, supplemented by the ability to press prototype parts on site at Coventry with a variety of inhouse presses. Puremedium have 5 axis laser capabilities for panel trimming and design and manufacture all laser fixtures in house. Puremedium design and manufacture their own hammer forms to convert the trimmed drawn shells to finished components. In some instances we still hand make parts for one off or very low volume parts where matched tooling is not cost effective.



Capabilities

Experience

Based on past experience, Puremedium can undertake the following work :

- Show Models
- Data Collection
- Small Intricate Detail Parts
- Acrylic Parts
- Patterns & Moulds
- Composite Tooling
- Fabrications
- Jigs & Fixtures
- Low Volume Production Parts
- Aluminium, Steel & Cast iron Tooling
- Composite Part Machining
- Bespoke Furniture

General Facilities

Our Services



Large Studio Area

With 6.5 metre x 2.5 metre floor mounted plate



Scanning & Inspection Facilities

2 x Faro Arms | Full Vehicle Capacity



Sheet Metal & Fabrication Facilities

Welding Aluminium and Steel (TIG, MIG and Spot upto 20mm thickness) | Pressed parts In House | Sheet Metal Work (Restoration work, Welded assemblies, Fixture Building, 1 off prototype work, Bonding, glueing, Metal Folding, Fixing and Finishing) | Large Sclae 5 Axis Laser Cutting













Composite Lay Up Facilities

Manufacturing










CNC Facilities

Research and Development

	Belotti 5 Axis X 2400mm x Y 1800mm x Z 1300mm	
	Jomach 5 Axis X 5000mm x Y 2500mm x Z 1260mm	
	DMG DMU 5 axis X 550mm x Y 450mm x Z 540mm	DMG MORI
	Johnford 3 Axis X 1040 x Y 610mm x Z 700mm	
	Hurco VMX64 3 Axis X 1625mm x Y 863mm x Z 762mm	HURCO
	Hurco VMX60 3 Axis x 2 X 1524mm x Y 660mm x Z 610mm	HURCO
	Hurco VM1 3 Axis X 660mm x Y 450mm x Z 330mm	HURCO

CNC Facilities

Tooling, Fabrication Machining and Production

	Correa FP60 3 + 2 Axis X 5000mm x Y 2700mm x Z 1000mm	correa
	Correa FP30 3 + 2 Axis X 3500mm x Y 1740mm x Z 800mm	correa
	Anayak 3 + 2 Axis X 2700mm x Y 1200mm x Z 2000mm	anayak
	Correa Prisma 3 + 2 Axis X 2000mm x Y 1200mm x Z 1000mm	correa
	Correa CF17 3 + 2 Axis X 2000mm x Y 800mm x Z 800mm	correa
	VMC 800 3 Axis X 800mm x Y 510mm x Z 610mm	
	MTE 3 + 2 Axis X 4000mm x Y 1000mm x Z 1000mm	

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