

ROUSH®

PROTOTYPE SERVICES

In today's highly competitive market, success depends on bringing dramatic, high quality products to market quickly and efficiently. Roush's Prototype Services group plays a critical role in supporting that effort, providing OEM customers with development support that effectively fuses technology and engineering. From the design studio to the shop floor, from concept and show vehicles to complete prototype vehicle build programs, from co-located engineering programs to production plant retrofit campaigns, Roush's prototype services exemplify our corporate mission: to provide OEM customers with high quality, innovative support...from start to finish.

www.roush.com

We're focused, we're efficient, and we're at our best when we're challenged to think outside the box — critical traits when our customers' success depends on how quickly we can take their visions from the sketchpad to the marketplace.

For more information, please [click here](#).



VEHICLE BUILD/GARAGE SERVICES:

- Certified technicians
- Over 1,453,496 square feet of shop space
- Electronically-secured development garages
- Full vehicle instrumentation
- Off-site development support



Metal Fabrication

- Vehicle chassis, body and component modification
- Laser cutting
- Low volume manufacture of prototype parts

Hard Model Fabrication

- REN foam and wood modeling

Paint Services

- Class A production or show car paint finish
- Low bake 1 step or tristage paint application
- Spot repair or color change vehicle
- Custom paint scheme design for show or racing vehicle

Advanced Composites

- Prepreg carbon fiber/Kevlar
- Epoxy wet lay
- Vacuum bag
- Autoclave cure process

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SOFT TRIM

- Vehicle Camouflage
- Interior Trim
- Seating

RAPID PROTOTYPING

- SLA
- SLS
- Low Pressure Urethane Injection
- Silicone Molding
- Vacuum Casting



MODELING

- 5 electronically-secured design studios
- Tarus 5-axis milling
- Clay modeling
- ATOS digitizing system
- Portable floor model coordinate measuring machine

WIRING & ELECTRONICS

- Design, development and low-volume manufacturing of custom circuit boards
- Documentation in GERBER 274X/Protel/Circuit Maker/Trax Maker
- SMT and through-hole circuitry
- Repair and rework existing circuit boards
- Embedded micro-controllers
- Package design and packaging (for model shop applications)

We can scale our services to support projects ranging from the development of unique components to complete vehicle assembly. Roush's skilled technicians combine traditional craftsmanship with the most modern technologies in state-of-the-art development sites.

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