Additive and Traditional Manufacturing Services
Appearance Models
Experience and evaluate your design before entering production

Turn your CAD files into highly realistic, physical parts and assemblies, used for aesthetic review, internal evaluations, mechanical and electrical functions.

Rapid Prototyping
A design prototype in as little as 24 hours

The inventor of 3D printing offers the widest range of 3D printers, materials and expertise to customers looking to jump-start product development.

Functional Prototyping
Reliable quality and service for product development

Functional prototyping enables you to assess factors such as usability, ergonomics, manufacturability and materials testing before investing in tooling. The result: shorter development cycles, saving you time and money.

Low-volume Production
Quality and responsiveness for short-run production

Low-volume manufacturing from Quickparts On Demand helps customers reduce tooling costs, produce customized products, and bring a product to market quicker while higher-volume production molds are being completed.
Bring your designs to life with highly realistic appearance models

Why Quickparts On Demand?

- Fast and easy engagement
- Consultancy from the start by experienced engineers
- One partner for the complete value chain of prototyping: from the first models through different prototypes to pre-series or low-volume production
- Global resources, local manufacturing
- Credibility of a global market leader

YOUR BENEFITS

- One supplier of all relevant prototyping technologies
- Selection of the best process in each single project
- Extensive time and cost savings
RAPID PROTOTYPING
Evaluate production-like parts before you commit to costly production

6 Facilities globally
Local Manufacturing, Global Resources

Parts can be produced in

24 hrs

Millions parts/year

LOW-VOLUME PRODUCTION
Reduce or eliminate tooling, enable customization and speed time-to-market

Fast part production from 1 to 100,000+
with additive and subtractive manufacturing

SAVE DAYS
getting your designs into production

Additive & Traditional Manufacturing Services
FUNCTIONAL PROTOTYPING
Assess real-world usability, ergonomics, manufacturability and materials before production

MULTIPLE ADDITIVE MANUFACTURING CHOICES FOR FUNCTIONAL PROTOTYPING

Every functional prototype is created with an average of 3 different processes

30,000+ FUNCTIONAL PROTOTYPES MANUFACTURED TO DATE

EXPERIENCED APPLICATION ENGINEERS with an average of 10+ years of experience

FUNCTIONAL PROTOTYPING

TO-SCALE, LIFE-LIKE MODELS

✓ Meticulous Engineering
✓ Perfect Finishes
✓ Include mechanisms, lighting & more
✓ Mechatronics design and installation

1-to-1
Identical look-and-feel, characteristics and functions to final production part

Technologies available for the production of Appearance Models
Quickparts On Demand offers the widest range of technologies, processes and materials in the industry. Enabling the best service to manufacturers on their way from the first product idea to series production.

Additive Manufacturing

**Stereolithography (SLA)**
- Delivery: Next-day shipping available
- Highest accuracy, smoothest surface
- Parts up to 1500mm in one single piece

**Direct Metal Printing (DMP)**
- Delivery: 1 - 3 weeks
- Small, complex shapes - no tooling needed
- Impossible geometries - now possible

**Selective Laser Sintering (SLS)**
- Delivery: Next-day shipping available
- Highly durable, complex geometries
- Ideal for snap fits, living hinges

**Figure 4 (DLP)**
- Delivery: Next-day shipping available
- Ultra-fast production as alternative to injection molding or cast urethane processes
- High quality, smooth surface finish
## Traditional Manufacturing

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| **Vacuum Casting Parts**        | Turnaround: First off parts from 10 - 12 working days  
• For realistic prototypes that mimic Injection Molded parts  
• Efficient low-volume production without tooling |
| **Metal Die Casting**           | • Small/medium-sized consistent parts, fine surface quality and detail  
• Continuous quality control  
• Accelerated prototype to production |
| **CNC-Machined Plastic and Metal Parts** | Turnaround: 6 - 8 days  
• For rapid prototypes or production parts  
• CNC machining options for both metal and plastic parts |
| **Investment Casting - QuickCast & Wax Patterns** | • For large-scale parts that cannot be tooled  
• Shrink/gating information prior to tooling  
• High-detail, high-resolution, real wax patterns  
• Finest finishes/complexity  
• Dramatically reduced time and costs |
| **Low-Volume Injection Mold Tooling/Parts** | Turnaround: 2 - 4 weeks  
• Prototypes to production quantities  
• Multi-cavity tooling, tight tolerances, over-molding, secondary post-molding operations |
| **Sheet-Metal Parts**           | Turnaround: 5 - 10 days  
• Prototypes to low-volume production  
• Large variety of options |
Worldwide Service & Support

For an instant quote visit Quickparts.com

Quickparts On Demand manages a network of advanced manufacturing facilities around the world. Our team of application engineers provide expertise and localized support. Contact one of our offices to talk through your next project.

Contact our team at quickparts.com/contact or call a location directly at the numbers below.

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