JAEGERTECH
additive manufacturing

General Industry Capabilities Statement

Industrial 3D Printing · Prototyping · Casting Patterns · Design Support · Short-Run Manufacturing

Practical Parts. Fast Turnaround. Experienced Technical Guidance.

Jaeger Technology Group provides industrial 3D printing, prototyping, patternmaking, and short-run manufacturing support for companies that need practical parts, fast turnaround, and experienced technical guidance. We support manufacturers, maintenance teams, engineers, universities, product developers, and industrial customers that need functional prototypes, tooling aids, fixtures, patterns, models, and production-support components.

Our work is focused on helping customers solve real problems without forcing them into unnecessary tooling, long lead times, or oversized manufacturing commitments. Whether the need is a one-off replacement component, a design validation model, a casting pattern, or a small production run, JaegerTech can help evaluate the best process, material, and build strategy for the application.

CORE CAPABILITIES

Large-Format FDM / FFF Printing	Build capacity up to 47" × 24" × 25" (1200 × 600 × 640 mm). Ideal for large structural parts, casting patterns, tooling aids, and full-scale models.
MSLA Photopolymer Printing	Build capacity up to 13" × 7.3" × 11.8" (330 × 185 × 300 mm). High-resolution detail for engineering prototypes, patterns, and specialty parts.
Industrial Prototyping	Concept models, fit checks, functional prototypes, housings, brackets, fixtures, jigs, and mechanical test parts.
Investment Casting Patterns	Printed casting patterns for foundries, artists, universities, product developers, and industrial customers — low-volume or complex geometry without traditional tooling.
Tooling & Manufacturing Support	Shop aids, assembly fixtures, drill guides, inspection aids, templates, spacers, covers, protective components, and low-volume replacement parts.
Design & Engineering Support	CAD review, manufacturability feedback, material selection, print orientation, support strategy, and practical recommendations to improve cost, strength, surface finish, and lead time.

MATERIALS

Common Engineering Plastics	PLA, PETG, copolyesters, ABS, ASA, TPU, TPE, and nylon-based materials.
Higher-Performance Materials	Carbon-fiber-filled polymers, glass-filled polymers, high-temperature materials, and selected specialty engineering polymers.
Photopolymer Resins	Fast prototyping resin, tough resin, flexible resin, high-temperature resin, ceramic-filled resin, and application-specific specialty resins.
Pattern & Foundry Materials	Materials selected for investment casting pattern production, burnout behavior, dimensional stability, and customer-specific foundry requirements.

TYPICAL APPLICATIONS

▸ Product prototypes and design validation models	▸ Casting patterns and foundry support parts	▸ Fixtures, jigs, templates, and manufacturing aids
▸ Replacement or obsolete components	▸ Machine covers, guards, brackets, and adapters	▸ Large visual models and demonstration parts
▸ Educational, research, and university project support	▸ Short-run production and low-volume specialty parts	▸ Maintenance and repair support for industrial facilities

WHY CUSTOMERS WORK WITH US

Jaeger Technology Group combines hands-on manufacturing experience with practical additive manufacturing capability. We understand that customers often need more than a printed part — they need help choosing the right material, reducing risk, improving the design, controlling cost, and getting usable parts in hand quickly.

Our goal is to provide responsive, technically grounded support for customers who need functional parts, prototypes, patterns, and manufacturing solutions without the cost and delay of traditional tooling.

Location	Phone	Contact
1629 4th Ave SE #115 Decatur, AL 35601	256-957-1797 256-957-2689	info@jaegertechgroup.com jaegertechgroup.com