

F870™ FDM® Printer

Large-part FDM production,
built for the manufacturing floor.

Run longer, print faster, and produce stronger with the F870. Designed for large-part production, the F870 helps manufacturers build jigs, fixtures, large prototypes, and production-grade parts with continuous printing, high throughput, and proven industrial materials.



Uninterrupted Production

The F870 is designed to keep manufacturing moving with dependable performance across large builds.

- Print large, strong, stiff, and accurate parts
- Up to 2 weeks of continuous printing
- Built for consistent output on the manufacturing floor
- Ideal for jigs, fixtures, and large functional prototypes

Optimized Material Performance

Integrated material management helps maintain material quality and reduce variability during production.

- Integrated dryer bays keep materials at peak condition
- Supports consistent, repeatable print quality
- Reduces operator intervention
- Helps minimize material-related variability

Expanded Material Flexibility

The F870 supports a scalable material ecosystem designed to grow with evolving manufacturing needs.

- 9 materials available at launch
- Proven materials including Nylon 12CF, ASA, and ABS
- Shared material consumables with the F3300, including high-capacity 4,100 cm³ (250 in³) spools that support longer print runs with fewer material changeovers
- Supports future material expansion without hardware changes

High Throughput

The F870 helps accelerate large-part production without compromising strength, accuracy, or surface quality.

- Print up to 2x faster with the N25 head for ASA
- Improve production timelines for large parts
- Achieve excellent surface finish directly from the printer
- Reduce post-processing needs with accurate, high-quality output

Built for Real Manufacturing Applications

From factory floor tooling to full-scale prototypes, the F870 brings industrial FDM performance to demanding production environments.

Best-fit applications include:

- Factory floor jigs and fixtures
- Large, functional prototypes
- Strong, production-grade parts
- Automotive, aerospace, consumer goods, and industrial applications

Why F870?

Large capacity. Proven materials. Reliable output.

The F870 gives manufacturers an accessible path to large-part FDM production with the strength, accuracy, and repeatability needed for real-world applications.