

# Add-Line Manual

AFU5 *Configuration 1*



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**AddiFab**, a Danish manufacturer of automated industrial additive manufacturing systems, is introducing the Add-Line program of industrial printers and accessories. This system is built for continuous operation and with the Freeform Technology, provides supreme support for injection molding.

**Key features:**

- Made for industrial usage
- Automated resin supply.
- Safe and clean work environment.
- Modular architecture – prepared for automation, integration and upgrades
- Industrial-grade build systems.
- Full support for customization.

The AddiFab approach to automation is to run small batches with high frequency. This keeps costs and service of equipment low, and the workflow stable. The Add-Line Manual is our entry-level machine, and comes without automation. It is ideal for prototyping, research and training, and may serve and as a first step into industrial manufacturing with its upgradable potential.

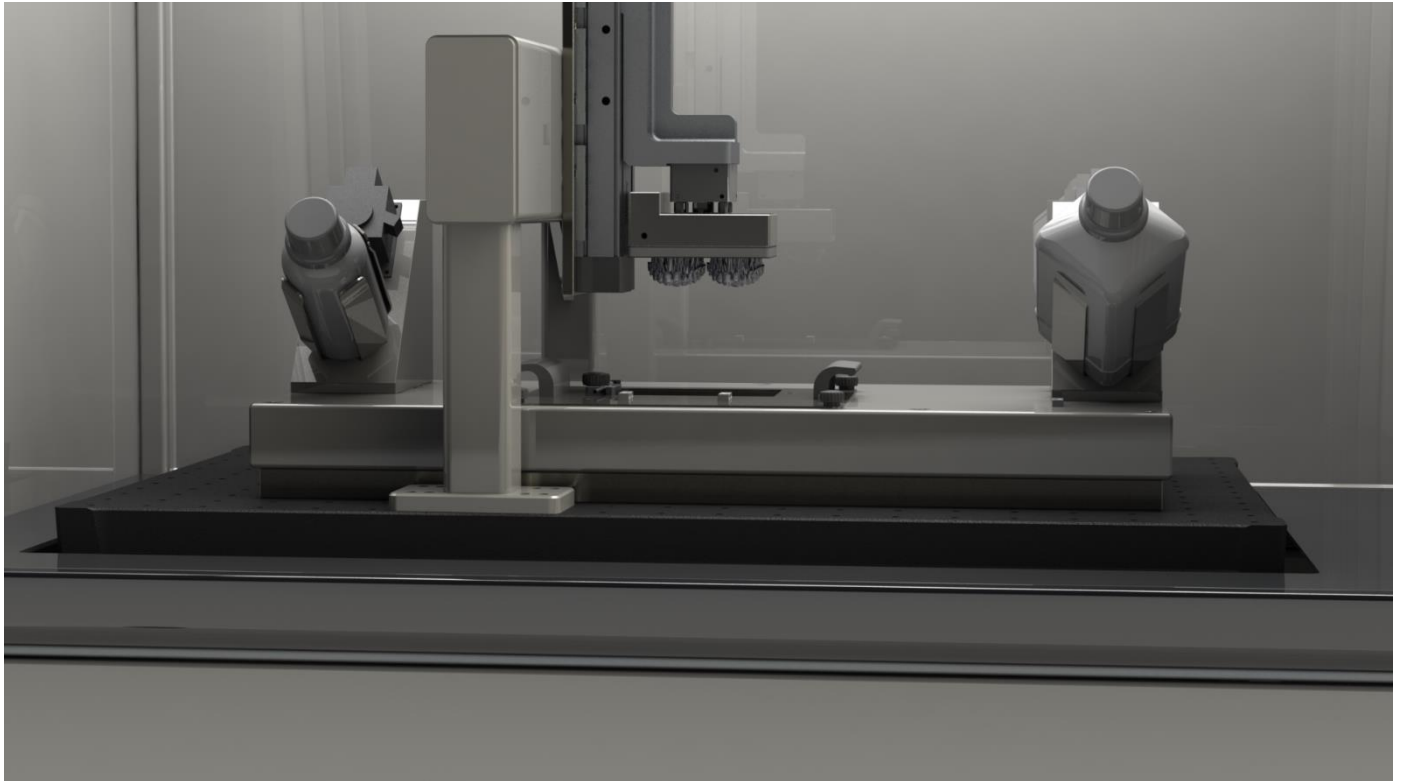
The Add-Line Manual is optimized for First-Out-Of-Tool Freeform Injection Molding. In addition, it may serve as a high-end 3D-printer that can produce the following in one 30-minute batch:

- 20 Hearing-Aid shells or silicone molds, or
- 15 Molds for Planet gears, or
- 45 dental crowns

## System Overview

Technology	DLP-LED Stereo lithography
Processing type	Manual
Resin delivery	Automatic
Light intensity calibration	Real-time
Build Recovery	N/A
Resin restrictions	Open System

### AFU5 Configuration 1



Resin vat with Automatic resin delivery

## System Specifications

Pixel Detail in X/Y	50µm
Precision, X/Y/Z	+/-0.050mm*
Accuracy, X/Y/Z	+/-0.050mm*
Layer thickness	20µm to 200µm
Print speed	Up to 90 mm/hour
Build Envelope	96x54x150mm (X/Y/Z)**
Wavelength selection	365nm
Vat Types	Two new patent pending vats
Build plane type	Build plane on Erowa ITS system

\* Depends on input data, geometry, process and materials

\* +/- 0.010mm is achievable in many applications

\*\* Other dimensions available on request

## Installation info

With/depth	0.8 meters / 1.5 Meters
Height	2.4 meters
Ventilation	Using existing installations
Pressurized air	Min. 6Bar
Power	1.2 kW @ 400 V
Temperature	18 - 26°C, max. variation +/- 2°C
Humidity	Max. 65% r.H

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