

# Filament Maker

## Composer Series 350 / 450

The Composer Series filament maker is a specialized, result-oriented machine with industrial quality power. Making polymers simpler than ever to work with, while offering even more possibilities in manufacturing and innovation.

### User-friendly and easy to control.

An embedded OLED display and a single rotate-and-push control button provide easy access to all features and functionalities of the filament makers.



**Make filament out of pellets or shredded plastic regrinds right from your desk.**



#### Temperatures

With temperatures up to 450°C, our filament makers can process a wide range of materials



#### Diameter Range

0,5 – 3mm Ø with automated control system



#### Extruder Screw

Swappable and Nitride hardened for industrial grade lifespan



#### Heating System

Multi-zone design with up to 4 separate zones



#### Materials Mixing

Optionally equipped with material Mixing section



#### Connect

Regular firmware updates.  
Real-time extrusion data analysis.

# FILAMENT MAKER

## Product Specifications

<b>Heating System</b>	Temperature max.	350 series max temperature of 350 °C 450 series max temperature of 450 °C
	Band heater	Ceramic
	Heating zones	4
	Independent controls	Yes
<b>Output</b>	RPM range	2- 15 RPM
	Filament diameter range	0.5- 3 mm (0.02- 0.12 inches)
	Optical sensor accuracy	43 microns (1.69 mils)
	Nozzle extruder	Diameter 4 mm (0.16 inches)- Replaceable
<b>Extruder System</b>	Screw/Barrel alloy	High chromium and molybdenum steel alloy
	Hardening treatment	Nitrided
	Compression	3 stage
	Extruder design	Swappable
	Material mixing zone	Composer series ONLY
<b>Energy</b>	Consumption average	300- 400 W
	Consumption max.	1300 W
	Voltage	110- 230 V
	Frequency	50- 60 Hz
<b>Capacity</b>	Hopper volume	2 liters
	Spool holder	1
	Spool size	Diameter 240 mm (9.4 inches) Width 120 mm (4.7 inches)
<b>Size &amp; Weight</b>	Dimensions	506 x 216 x 448 mm 19.2 x 8.5 x 17.6 inches
	Weight	Extruder (Without box) 24.5 kg (54 lbs) Extruder + box 27 kg (59.5 lbs)
<b>Connection</b>	Firmware updates	Regular updates
	Extrusion data analysis	DevoVision application

## Durable and Versatile Components

### Hardened for Durability

The extruder screw in the Composer is machined for mixing. Its nitride-hardened interior ensures industrial-grade filament extrusion.

### Extruder Mixing Zone

Enables you to blend different additives, plastics, fibers or powders to create custom filaments.