

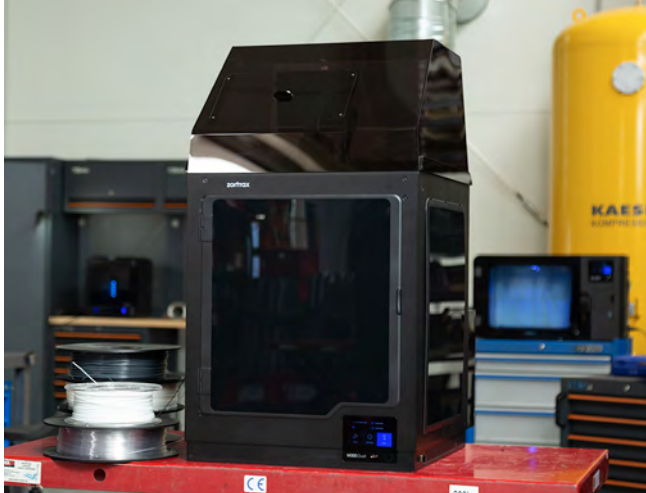
# BASF Forward AM Materials & Zortrax 3D Printers Compatibility Overview



# FDM TECHNOLOGY

FDM is an additive manufacturing technology that builds physical models by depositing a fused polymer onto a build platform that moves in the Z-axis. The technology involves applying one layer of filament after another in order to accurately form a computer-designed shape. The FDM technology is integrated with Zortrax dedicated software and hardware, and a range of BASF Forward AM filaments.

## Zortrax 3D Printers



### M300 DUAL

Zortrax M300 Dual uses standard thermoplastics and soluble support materials to build 3D parts. The printer is equipped with two separate hotends, each adapted to print with a different material.

TECHNOLOGY: FDM

BUILD VOLUME: 265 X 265 X 300 MM (10.4 X 10.4 X 11.8 IN)

MAX. PLATFORM TEMPERATURE: 105° C (221° F)

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### Endureal

Zortrax Endureal is an industrial 3D printer with advanced thermal management system that enables efficient work with high-performance filaments.

TECHNOLOGY: FDM

BUILD VOLUME: 400 X 300 X 300 MM (15.7 X 11.8 X 11.8 IN)

MAX. PLATFORM TEMPERATURE: 220 °C (428 °F)

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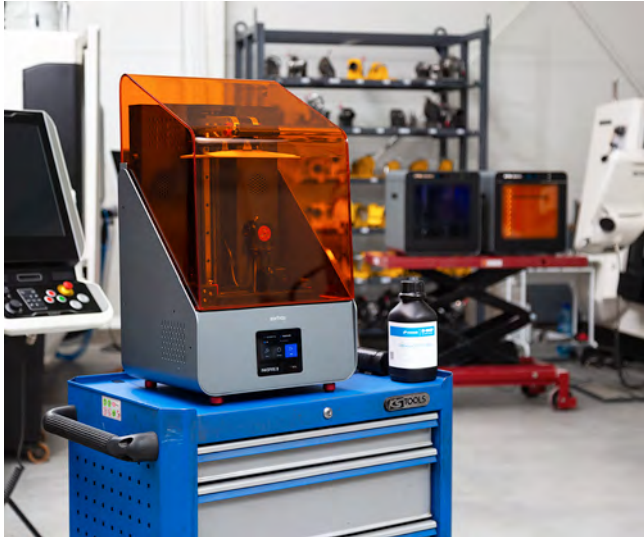
## BASF Ultrafuse® Validated Materials

Filament type	BASF Ultrafuse®	Validation status	Dedicated for	Extrusion mode	TDS
Reinforced	PAHT CF15	✓ DONE	M300 Dual	single/dual	<a href="#">Read More →</a>
	PP GF30	✓ DONE	M300 Dual	single	<a href="#">Read More →</a>
	PET CF15	✓ DONE	M300 Dual	single	<a href="#">Read More →</a>
Standard	ABS	✓ DONE	Endureal M300 Dual	single/dual	<a href="#">Read More →</a>
	316L	✓ DONE	Endureal	dual	<a href="#">Read More →</a>
Metal	17-4PH	✓ DONE	Endureal	dual	<a href="#">Read More →</a>
	Support Layer	✓ DONE	Endureal	dual	<a href="#">Read More →</a>
	High-Temperature	PPSU	🔄 IN PROGRESS	Endureal	single

# UV LCD TECHNOLOGY

UV LCD is an additive manufacturing technology which uses liquid photopolymer and a light source to build 3D parts. The technology involves projecting an image of a layer on the transparent underside of the vat (FEP film) with liquid resin and curing the layer using backlight from an LED panel. The UV LCD technology is integrated with Zortrax dedicated software and hardware, and a range of BASF Forward AM photopolymer resins.

## Zortrax 3D Printer and Post-Processing Devices



### Inkspire 2

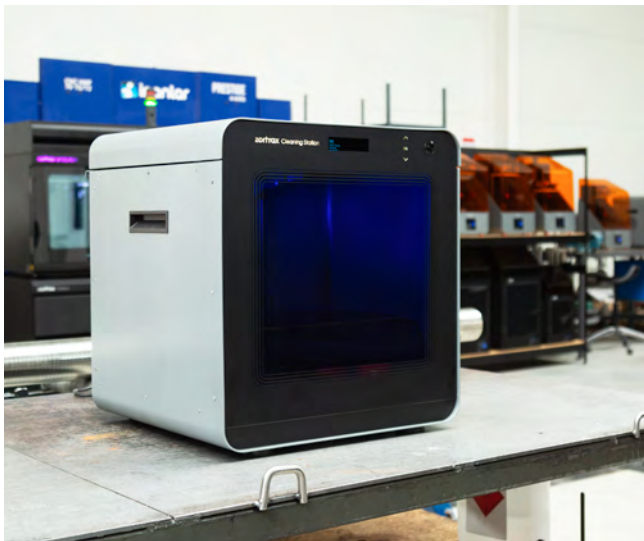
Zortrax Inkspire 2 is a large volume 3D printer working in the UV LCD technology in a highly automated process which supports a wide range of engineering 3D printing resins.

TECHNOLOGY: UV LCD

BUILD VOLUME:  
192 X 120 X 280 MM  
(7.56 X 4.72 X 11.02 IN)

PIXEL SIZE: 50 µm

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### Cleaning Station

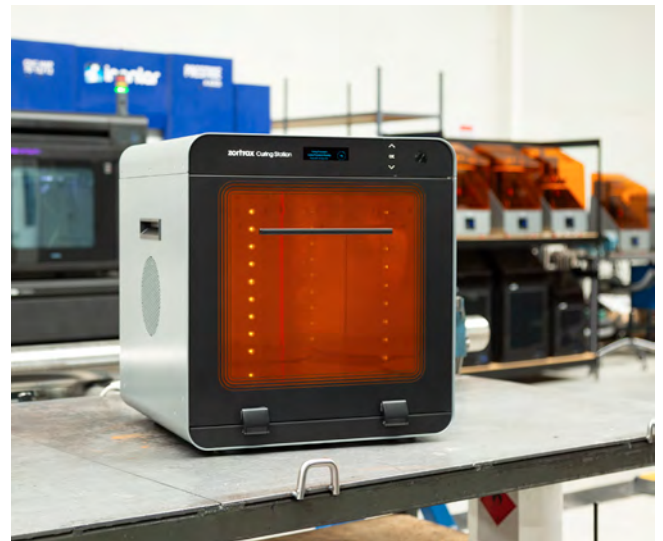
Zortrax Cleaning Station is a post-processing device which removes excessive, uncured resin from the surfaces of models made on all types of photopolymer 3D printers.

TECHNOLOGY: UV LCD/ DLP / SLA

WORKING AREA DIMENSIONS:  
300 X 210 X 270 MM  
(11.8 X 8.27 X 10.6 IN)

TANK CAPACITY: 18 l (608.65 fl oz)

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### Curing Station

Zortrax Curing Station is a post-processing device which provides additional UV curing of parts made in all resin 3D printing technologies.

TECHNOLOGY: UV LCD/ DLP / SLA

WORKING AREA DIMENSIONS:  
300 X 200 X 300 MM  
(11.8 X 7.9 X 11.8 IN)

LIGHT POWER: 405nm - 75mW/cm<sup>2</sup>

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## BASF Ultracur3D® Validated Resins

Type	BASF Ultrafuse®	Color	Validation status	Dedicated for	TDS
Rigid Line	RG 35	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	RG 35 B	● Black	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	RG 50	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	RG 1100	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	RG 1100 B	● Black	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	RG 3280	○ White	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
Tough Line	ST 45	○ Clear	🔄 IN PROGRESS	Inkspire 2	<a href="#">Read More →</a>
	ST 45 B	● Black	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	ST 80	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	ST 80 B	● Black	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	ST 80 G	● Grey	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	ST 80 W	○ White	🔄 IN PROGRESS	Inkspire 2	<a href="#">Read More →</a>
	ST 1400	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	ST 7500 G	● Grey	🔄 IN PROGRESS	Inkspire 2	<a href="#">Read More →</a>
Flexible / Elastomeric Line	FL 60	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	EL 60	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	EL 150	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>
	EL 4000	○ Clear	✓ DONE	Inkspire 2	<a href="#">Read More →</a>

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Zortrax is a global manufacturer of quality 3D printers, printing materials, and automatic post-processing devices. We also provide comprehensive digital solutions that complement every stage of product development, including slicing software and a cloud-based management platform. The diverse portfolio of our products offers unique manufacturing technologies that bring the best value to all our customers.

**Reach us out and see how 3D printing can improve your business!**

**zortrax**

**BASF**  
We create chemistry

**FORWARD**  
Innovating Additive Manufacturing