



# Material Management System

## Absolute Process Control



**PROCESS  
TRACEABILITY**

**REPEATABLE AND  
ACCURATE PRINTS**

**PAEK ANNEALING  
PROGRAM**

<b>DIMENSIONS</b>	Dryer dimensions (WxDxH):	3 chambers: 850 × 630 × 1740 mm (33.46 × 24.80 × 68.50 in) 6 chambers: 1560 × 630 × 1740 mm (61.42 × 24.80 × 68.50 in)
	Max. dimensions with open door (WxDxH):	1-3 chamber: 850 × 1090 × 1740 mm (33.46 × 42.91 × 68.50 in) 6 chamber: 1560 × 1090 × 1740 mm (61.42 × 42.91 × 68.50 in)
<b>ENVIRONMENT</b>	Working temperature:	10–28°C (50–82.4°F) relative humidity from 30% to 60% w/o condensation
	Storage temperature:	-20–54°C (-68–129.2°F) relative humidity 10% to 85% w/o condensation
<b>POWER</b>	Required connection [USA]:	3 chambers: 1 ph 20 A Nema L6-20 plug 6 chambers: 2xplug 1ph 20 A Nema L6-20 plug
	Power cable length:	2200 mm (86.61 in)
	Voltage:	3 chambers: 230 VAC (210-250 VAC) 6 chambers: 2×230 VAC (210-250 VAC)
	Frequency:	50-60 Hz
	Max. power consumption of the device without additional accessories:	3 chambers: 3680 W 6 chambers: 7300 W
<b>TEMPERATURES</b>	Operating temperature range:	50°C-200°C (122-392°F)
<b>CONNECTION</b>	Communication:	WiFi, LAN, USB
<b>DRYING</b>	Operating technology:	Dry air [actively dried]
	Drying chamber space (WxDxH):	470 × 260 × 320mm (18.50 x 10.23 x 12.59 in)
	Drying chamber volume:	39.1 L (2386.02 in³)
	Number of material slots in one chamber:	4 (unlimited in the CUSTOM option)
	Number of chambers in the dryer:	Depending on version (3 or 6 chambers)
	Maximum filament spool diameter:	220 mm (8.66 in)
	Maximum thickness of the spool:	90 mm (3.54 in)
	Material tracking system:	Smart Material Manager
	Third party materials:	Yes, in the CUSTOM option
	Drying process settings:	Predefined / Edition in the CUSTOM option
Recrystallization process settings:	Predefined	
<b>SOFTWARE</b>	Device monitoring and archiving:	Locally and 3DGence CONNECT
	Software updates:	Automatic, via USB and Internet
<b>CONSTRUCTION</b>	Construction:	Freestanding, equipped with castor wheels
	Frame:	Steel
	Doors:	Sealed/Thermally Insulated
	Electronics:	3DGence
	NFC TAG Reader:	Yes, on the front of the device
	Display:	10" TFT capacitive display with 1280 x 768 px resolution
<b>SAFETY</b>	Doors:	Mechanical lock with key, door opening sensor, over temperature protection acc. to DIN 12880 class 1.0, class 3.1
<b>ACCESSORIES</b>	Print recrystallization kit (optional) Drying agent cartridges (one for each drying chamber) Drawers for storing materials in the drying chamber (one for each drying chamber) WiFi adaptor Power adapter included	

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