



# 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 6 chambers: 1560 × 630 × 1740 mm
	Max. dimensions with open door (WxDxH):	3 chambers: 850 × 1090 × 1740 mm 6 chambers: 1560 × 1090 × 1740 mm
<b>ENVIRONMENT</b>	Working temperature:	10÷28°C relative humidity from 30% to 60% w/o condensation
	Storage temperature:	-20÷54°C relative humidity 10% bis 85% w/o condensation
<b>POWER</b>	Required connection [Europe]:	3 chambers: 1ph 16A CEE 7/7 plug 6 chambers: 3ph 32A CEE 17 plug
	Power cable length:	2200 mm
	Voltage:	3 chambers: 230V AC [210-250V AC] 6 chambers: 2x230V AC [210-250V AC]
	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
<b>CONNECTION</b>	Communication:	WiFi, LAN, USB
<b>DRYING</b>	Operating technology:	Dry air [actively dried]
	Drying chamber space (WxDxH):	470 × 260 × 320 mm
	Drying chamber volume:	39,1 l
	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
	Maximum thickness of the spool:	90 mm
	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 1x 3ph 400V 32A / 3x 1ph 230V 32A (for connecting additional 3 chambers)	

### AMERICA

3DGence America Inc.  
Dallas, Texas,  
USA

+1.855.466.3813  
inquiries@3dgence.com

### EUROPE

3DGence GmbH,  
Gradignanstraße 4  
64319 Pfungstadt, Germany

+49 6157 9118972  
cs@3dgence.com

3DGence sp. z o.o.  
Graniczna 66  
44-178 Przystowice, Poland

+48 32 438 98 63  
cs@3dgence.com