

G3 ALL IN ONE SYSTEM

# G3



PRELIMINARY SPECIFICATION

GENERAL

<b>Description</b>	All-in-One System (printing and post-processing)
<b>Materials</b>	Validated with all materials from the GENERA open material library
<b>Build Volume (XYZ)</b>	Available preset pixel sizes (max. 26.5 L)
@100 µm	384 × 216 × 320 mm (15 × 8.5 × 12.6 in)
@ 70 µm	268 × 153 × 320 mm (10.55 × 6 × 12.6 in)
@ 40 µm	153 × 87 × 320 mm (6 × 3.4 × 12.6 in)
<b>Resolution</b>	4K DLP (3840 × 2160)
<b>Wavelength</b>	385 nm
<b>Light Intensity</b>	Max. 30 mW/cm <sup>2</sup> (@40 µm)
<b>Build Speed</b>	up to 3 mm/min
<b>Cleaning Fluid</b>	GENERA Clear3d (non-flammable) 2 × 60 L (pre-wash and post-wash)
<b>Heating/Drying Chamber</b>	up to 80 °C
<b>LED Curing Chamber</b>	405 nm (optional under inert atmosphere)
<b>Typical Post Processing Time</b>	45 min
<b>Regulatory Compliance</b>	CE

PHYSICAL FOOTPRINT

<b>System Size (W × D × H)</b>	1420 × 970 × 1960 mm (55.9 × 38.1 × 77.1 in)
<b>System Weight</b>	approx. 700 kg (1.543 lbs)

FACILITY REQUIREMENTS

<b>Power Requirements</b>	AC 220-240 V, 50-60Hz, 15A
<b>Power Consumption</b>	3500 W (max)
<b>Network Connectivity</b>	Ethernet
<b>Compressed Air Connection</b>	6–12 bar (0.6–1.2 MPa)
<b>Nitrogen Connection</b>	3–6 bar (0.3–0.6 MPa)
<b>Exhaust (optional)</b>	Integrated active carbon filters (optional facility exhaust)
<b>Operating Conditions</b>	+15 °C to +25 °C
<b>Recommended Installation Space (W × D × H)</b>	1920 × 2870 × 2060 mm (75.6 × 113 × 81 in)

SOFTWARE AND DESIGN TOOL

<b>CAM</b>	GENERA Utility Center
<b>Print-/PPU-Cockpit</b>	Live print and post processing monitoring

**Energy Group**

3D Printing Solutions for Industry

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