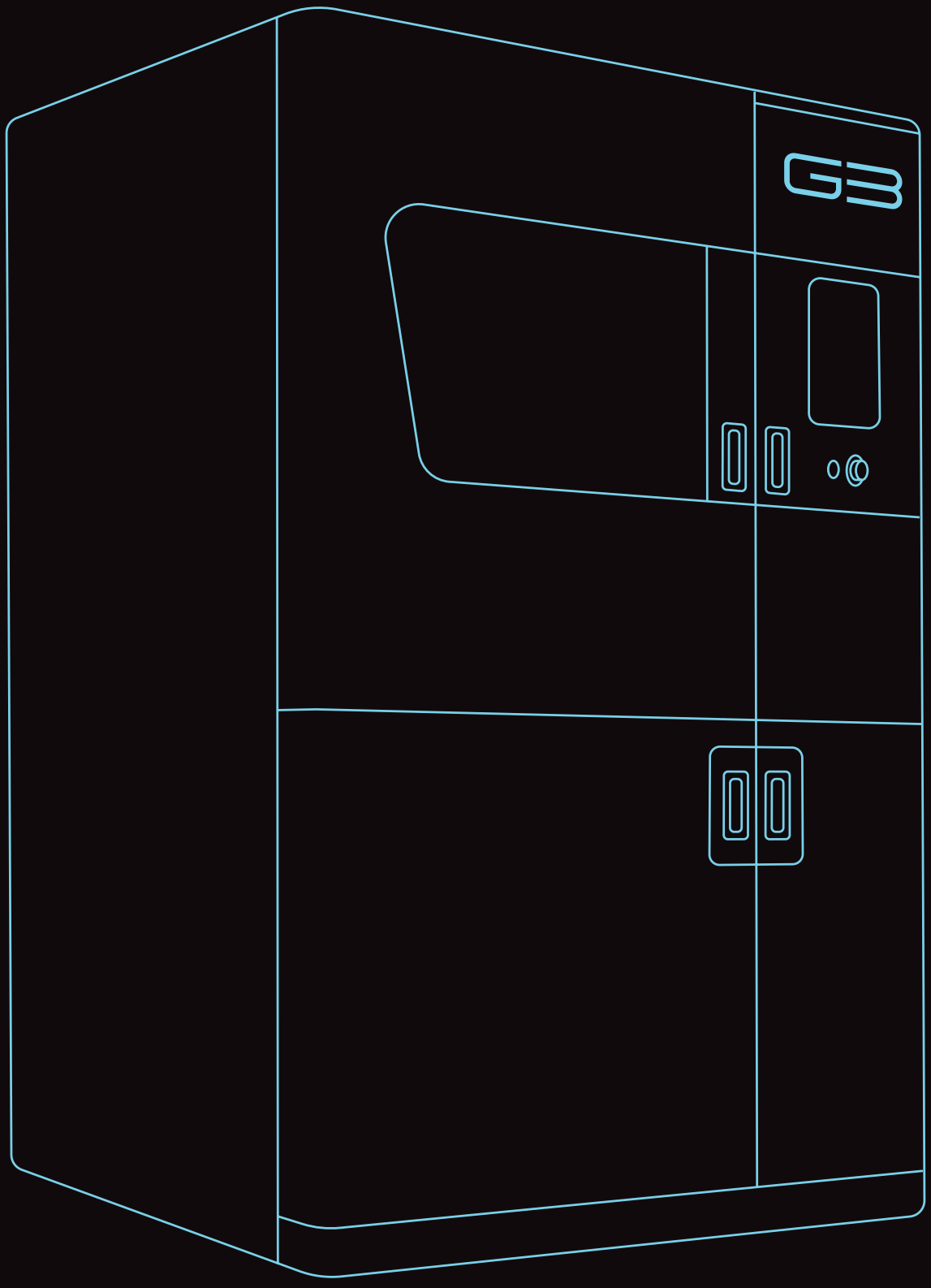
GENERA.



Creation made reliable.

G3

G3 ALL IN ONE SYSTEM

G3

All-in-One. Automated. Compact.

The powerful technologies of the G2 and F2 have now been integrated into one compact machine. For the first time ever, users can take a digital part file to a fully washed and post-cured part, all in one machine. G3 can be preconfigured for 40, 70, or 100 µm pixel size resolutions using the same powerful 4K 385nm DLP light engine found in the G2. Print with the same flexibility as the G2 using the open material vat resin system and GENERA's ever-expanding material database. Parts are automatically cleaned after printing with our non-flammable Genera Clear3d cleaning fluid in the wash station with integrated stirrer. Final post-curing is completed in the high-powered and homogenous UV LED post-curing chamber that is temperature programable with optional inert atmosphere.
Print, wash, and post-cure. All with the G3.

HARD FACTS

Print volume @40/70/100 µm
x: 153/268/384 mm
y: 87/153/216 mm
z: 320 mm

Available preset pixel sizes
40 µm or
70 µm or
100 µm

Wavelength
385 nm DLP

Speed
Up to 3 mm/min*

Light intensity
max. 25 mW/cm²

4K Resolution
(3840 × 2160)

Active carbon filter for odor reduction

Fully automated post-processing
(1 Build Job)

Non-flammable cleaning fluid
(Genera Clear3d)

High power and uniform LED curing chamber @ 405 nm

Post-curing in inert atmosphere with part tempering

Intelligent database for printing, post-processing and documentation

*depending on material and vat system

G3 ALL IN ONE SYSTEM

G3

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Print, wash, and post-cure.
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HARD FACTS

Print volume @40/70/100 µm
x: 153/268/384 mm
y: 87/153/216 mm
z: 320 mm

Available preset pixel sizes
40 µm or
70 µm or
100 µm

Wave length
385 nm DLP

Speed
Up to 3 mm/min*

Light intensity
max. 30 mW/cm²

4K Resolution
(3840 × 2160)

Active carbon filter for odor reduction

Fully automated post-processing
(1 Build Job)

Non-flammable cleaning fluid
(Genera Clear3d)

High power and uniform LED curing chamber @ 405 nm

Post-curing in inert atmosphere with part tempering

Intelligent database for printing, post-processing and documentation

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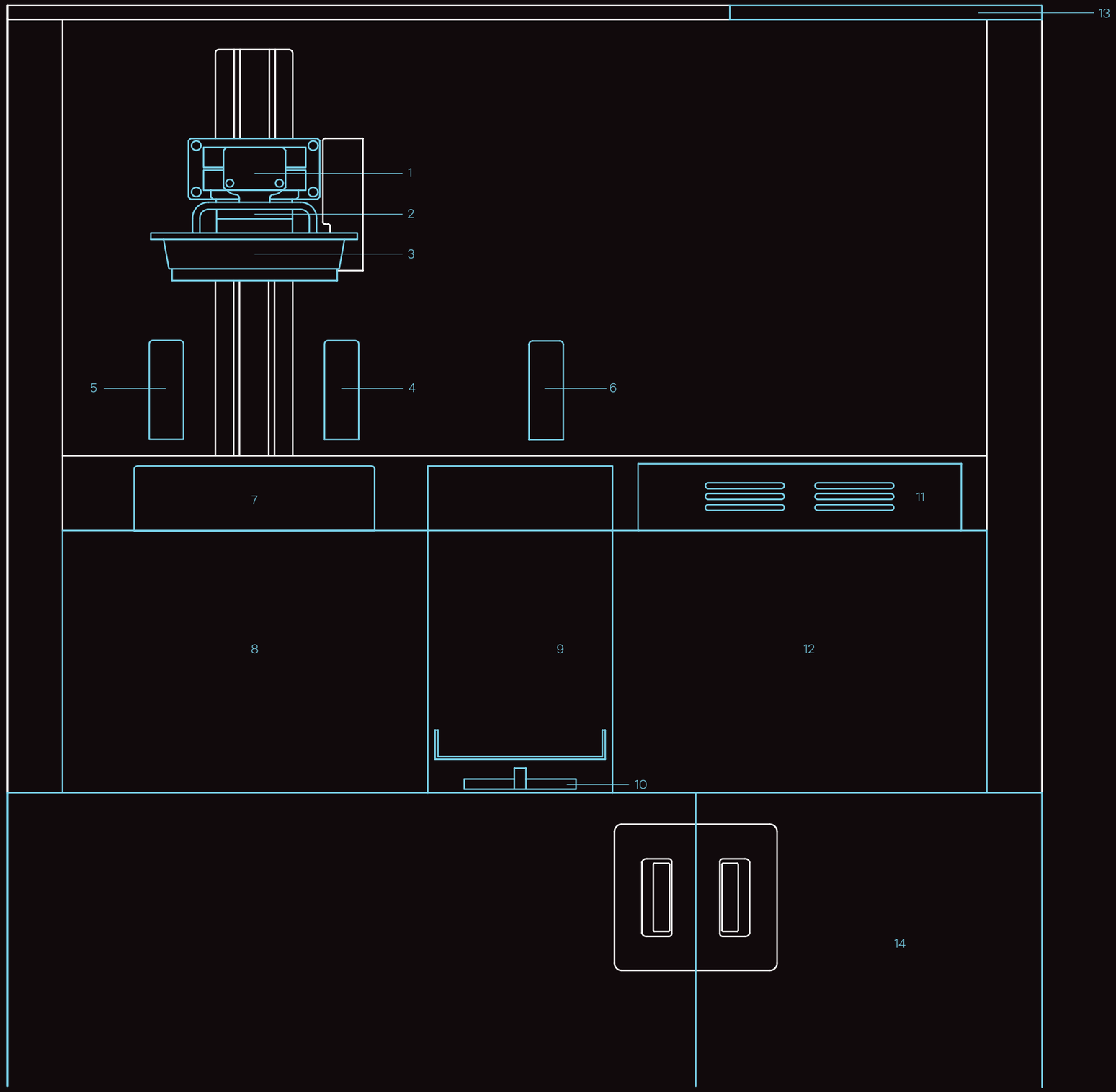

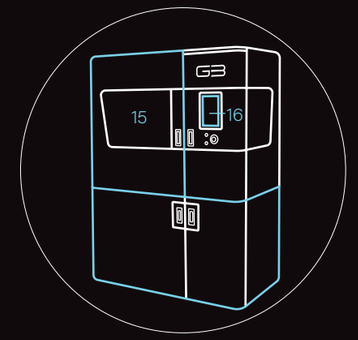

MACHINE COMPONENTS

1	Print/post-processing diagnostic sensors
2	Automatic handling system for platforms
3	Heated build platform
4	Resin temperature sensor
5	Resin level sensor
6	Wash fluid level sensor
7	Special heatable vat system
8	4K 385 nm DLP light engine
9	Glove-free process with fully automated post-processing
10	Integrated stirrer and protection for delicate and efficient cleaning of green parts
11	Heating unit (part drying and tempering)
12	LED post-curing chamber
13	LED for status information
14	Resin tank and lightproof, automated resin dispensing system for high throughput production
15	Secure, fully enclosed, air-filtered machine
16	Human Machine Interface (HMI) with machine control, part preview, and print-/post-process progress

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