



EXIGO

The Additive Manufacturing Platform

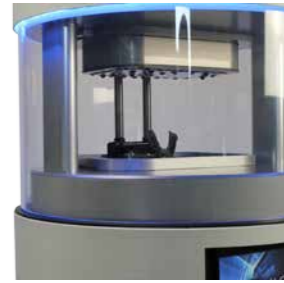




6 technology



10 machines



12 specs



EXIGO

The Art of Additive Manufacturing

Think Further

Be different - think further - This two central ideas were always present in the development of the all new LIFT®-Technology.

Speed, reliability and versatility is the result. New material possibilities guarantee a future proof machine concept. It's a production machine. Paired with over 20 years experience in designing and manufacturing machine tools equipment the EXIGO now leads in a new era of productive Additive Manufacturing.

LEARN
ABOUT
LIFT®
Technology

LIFT® stands for Light Initiated Fabrication Technology and is not only an expression. It combines many different features in one single machine to get a real production tool. Industrial engineering and Liechtenstein manufacturing together with best components for highest possible reliability.

WHAT IS LIFT®

The patent pending LIFT®-Technology is more than feature. Integrating the following sub-processes in one workflow LIFT® is an all new production method with endless possibilities.

LIFE Zone



O₂ is for every creature a must, so also for our LIFE Zone. The effect of oxygen inhibition is known since the beginnings of UV curing. Controlled in the right way, it opens new possibilities by printing continuously. The LIFE Zone is integrated in every EXIGO printer as a standard.

Speed



Knowing the chemistry and the physical effects of curing resins together with the LIFE zone, allows optimising the print speed. With the corresponding, adopted materials the EXIGO already passes a build speed of 300mm/hour. The EXIGO can be used in continuous and semi-continuous mode, depending on geometries printed.

Curing



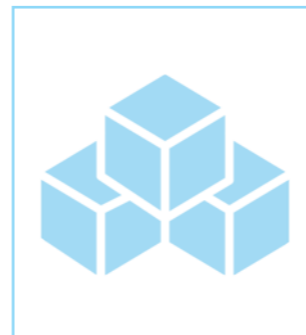
Overcuring? Wrong settings? No more! An integrated algorithm calculates dynamically on every single picture frame the optimal curing time, layer height and build speed. These settings are optimised for all Coobx materials to get productive parts out of the box. The high-power UV LED source allows to print & develop new materials.

BuildBox



The BuildBox enclose the whole build area. Thanks to this a proper process with easy cleaning is guaranteed. Nearly every kind of UV curable materials can be processed. High viscosities and infill grades open new possibilities. An integrated homogeniser keeps the material mixed and gives constant production parameters.

Accuracy



A world's first fully automated focussing system, allows to integrate different resolutions in XY in one machine. The EXIGO reaches accuracies from +/- 10 up to +/- 40 microns. Together with the realtime calculated building speeds the EXIGO builds parts, with smoothest surfaces and highest tolerances.

Materials



All Coobx materials come with calculable FEM parameter settings and are tested to industry standard regulations. Together with the EXIGO Clean&Cure post-processing unit, constant properties for production use are achieved. This process guarantees fully isotropic parts with perfect surface finishes and tolerances.

MACHINES FOR APPLICATIONS



EXIGO 1-110

Specially designed for Medical applications the EXIGO 1-110 is the optimal choice for series production in Dental and Otolaryngology.



EXIGO 1-350

Want it bigger? With 350mm build height the EXIGO 1-350 is predestined for every kind of industrial applications.



EXIGO Clean&Cure

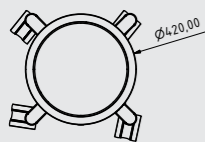
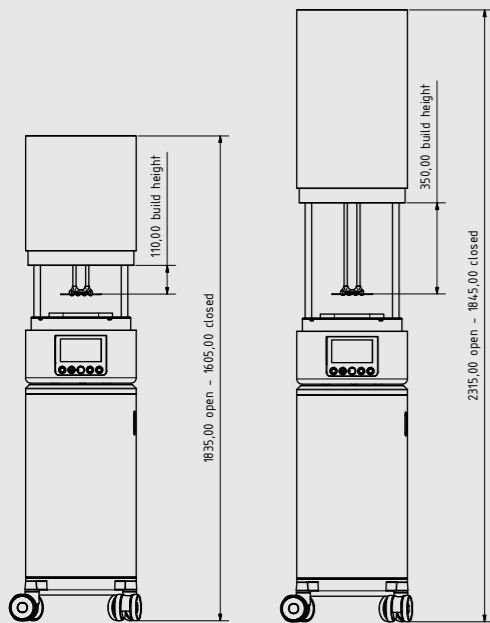
Completing the EXIGO workflow the Clean&Cure unit combines 2 x cleaning, 1 x drying, 1 x curing and 1 x part remover.



EXIGO Storage

Every EXIGO is equipped with a clever storage solution for your materials.

Automation & Materials see specific brochure



Specs

	EXIGO 1-110	EXIGO 1-350
Build Area min.	38.5 x 21.5mm	38.5 x 21.5mm
Build Area max.	153.6 x 86.4mm	153.6 x 86.4mm
Native pixel	+/- 10 - 40 μ m	+/- 10 - 40 μ m
Max. Z build height	110mm	350mm
Z Resolution	auto / 5 - 100 μ m	auto / 5 - 100 μ m
Input file format	STL / 3MF / OBJ	STL / 3MF / OBJ
Interfaces	WiFi, TCP/IP, USB	WiFi, TCP/IP, USB
Power supply	230/115V 50/60Hz	230/115V 50/60Hz
Compressed Air	Min. 6bar	Min. 6bar
Weight	85 Kg	95 Kg

By dismantling the storage bin, the EXIGO can also be used as a desktop machine. Note: Without the storage bin no foot switch for handsfree operation is available. Opening / close the machine need to be done by pressing the buttons. Technical changes are reserved.



DEVELOP THE FUTURE TOGETHER

You have a product to produce with Additive Manufacturing but are not sure what Printer or Material fits best? You want to develop new materials?

Contact us!

Solutions & Service

Our company has more than twenty years experience in machine tools and semiconductor business. We are working accordingly the ISO standards and are also approved to different automotive standard regulations. If you want to run an EXIGO in a high volume production environment or need a fully automated production line, look for our automation brochure.

Industrial services for industrial products. That's a must in production environments. You can choose between different support level structures accordingly your needs. Already the included standard allows, to do an online diagnosis of whole the machine.



Connected

Two integrated, independent webservers are bringing Industry 4.0 to life.



Pre-Processing

Every platform will be supported and nested through our included, leading slicing software.



Training

Get ahead together - Giving the knowledge and experience in AM to you is a standard.



Service

On every continent a team of highly skilled support engineers will help you in any case.

FUTURE READY
MACHINES HELP
FINDING NEW
SOLUTIONS FOR
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ADDED VALUE . **BE
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FURTHER.**



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