

ADMAFLEX 130

Experience printing high dense ceramics in an exceptional way

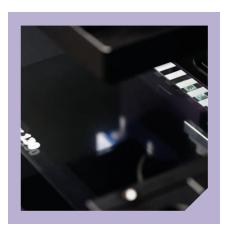


The ADMAFLEX 130 is suited for precision printing of fully dense (>99%) technical ceramic components. The advanced patented ADMAFLEX technology enables printing at speeds up to 20-25 mm p/hour, while an innovative material reconditioning system minimizes waste to none. The integrated DLP light engine allows for large surface printing while maintaining precision and resolution, to produce even the smallest sized features in full detail. Through an adaptive touchscreen the user has layer-to-layer control and the system's protective housing fully optimizes the 3D printing process of ceramics.

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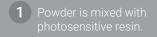
Specifications

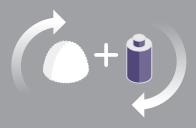
Printing technology	DLP
Net printing building volume before sintering ¹	50 μm – 96 x 54 x 120 mm
Resolution	1920 x 1080 px—full HD
Layer thickness	25 – 100 μm
Materials	- Aluminum oxide
	- Zirconium oxide
	- Silicon dioxide
Final product density ²	> 99%
Machine dimensions	575 x 880 x 1760 mm
Weight	approx. 300 kg
Ideal working temperature	22 ± 2°C
Relative humidity	< 40%
Power requirements	110 / 230 V
File compatibility	SLC

^{1.} During sintering products shrink 25-35%, equal in x, y and z direction.

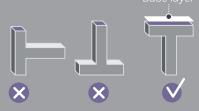
^{2.} For Alumina and Zirconia

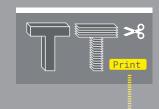
ADMAFLEX process



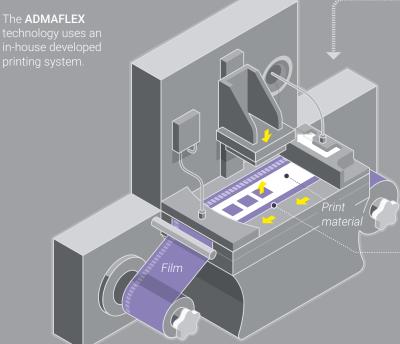


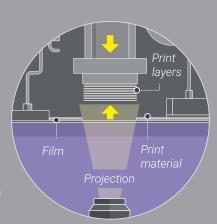




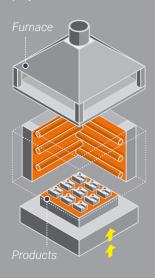


3 The ADMAFLEX





4 During debinding all the polymers will be burned.





The debinding process



Powder



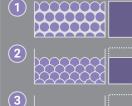




5 During sintering product will reach its final density.











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