

ADMATEC®

A NANODIMENSION DIVISION

Admaflex 300

**Industrial DLP 3D printer
for mass customization
and large parts**



Large build
volume



Best-in-class
cost per part



Industrial grade
parts with
exceptional
surface finish



Lower
operating
costs



Free adjustable
printing
parameters
and custom
materials



Highest
throughput



In-process
monitoring

Specifications

Technology	Digital Light Processing (DLP)
Printing Build Volume (X, Y, Z*) with Lateral (Pixel) Resolution	260 x 220 x 280 mm 10.23 x 8.66 x 11 inches (88 µm) 260 x 204 x 280 mm 10.23x 8.03x 11 inches (80 µm) 238 x 192 x 280 mm 9.37 x 7.55 x 11 inches (75 µm) 238 x 160 x 280 mm 9.37 x 6.29 x 11 inches (62.5 µm) 218 x 128 x 280 mm 8.58 x 5.03 x 11 inches (50 µm) 202 x 102 x 280 mm 7.95 x 4.01 x 11 inches (40 µm) 194 x 89 x 280 mm 7.63 x 3.50 x 11 inches (35 µm) other resolutions available on request * optional increase of Z stage, up to 480 mm 18.89 inches
Layer Thickness	10 - 200 µm, depending on material type
Build Speed (layers/h)	up to 300 layers per hour
Build Speed (mm/h)	up to 60 mm per hour, depending on material type
Wall Thickness	0.1 mm to 10 mm in Al ₂ O ₃
Machine Dimension (wxdxh)	1282 x 1000 x 1900 mm 50.47 x 39.37 x 74.80 inches
Weight	Ca. 650 kg 1433 lbs
Required Working Temperature	22 +/- 5°C
Required Working Humidity	< 40% (in standard configuration)
Connectivity	Ethernet, USB
Power Requirements	110 / 230 V
File Compatibility	SLC, STL
Final Product Density	Technical Ceramics > 98.5% - 99.9%* *depending on sintering curve

Specifications per August 2024 – subject to change

End to end solutions

Admatec delivers complete turnkey production lines consisting of 3D-printing machines, cleaning equipment and furnaces. Small and large furnaces, optimized for integrated debinding and sintering of oxide ceramics are available. A range of validated materials is offered for smoothless printing.