# ADMATEC®
## A NANODIMENSION DIVISION

# Admaflex
## *Evolution130*

### One System
### Multiple Possibilities

Ceramics,
polymers and
metal

Best-in-class
cost per part

Industrial grade
parts with
exceptional
surface finish

Lower
operating
costs

Free adjustable
printing
parameters

Highest throughput

In process
monitoring

Multiple pixel
sizes on one
machine

# Specifications

| | |
|---|---|
| Technology | Digital Light Processing (DLP) |
| Printing Build Volume (X, Y, Z*) with Lateral (Pixel) Resolution (WQXGA light engine with 2560 x 1600 pixels), changeable pixels size | 20.5 x 12.8 x 400mm \| 0.8 x 0.5 x 15.7 inches (8 micron)<br>25 x 16 x 400mm \| 0.98 x 0.62 x 15.7 inches (10 micron)<br>38 x 24 x 400mm \| 1.49 x 0.94 x 15.7 inches (15 micron)<br>64 x 40 x 400 mm \| 2.51 x 1.57 x 15.7 inches (25 μm)<br>90 x 56 x 400 mm \| 3.54 x 2.20 x 15.7 inches (35 μm)<br>102 x 64 x 400 mm \| 4.01 x 2.51 x 15.7 inches (40 μm)<br>128 x 80 x 400 mm \| 5.03 x 3.14 x 15.7 inches (50 μm)<br>160 x 100 x 400 mm \| 6.30 x 3.94 x 15.7 inches (62.5 μm) |
| 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 $Al_2O_3$ |
| Build Platform Fixture | Zero-Point Clamping System |
| Machine Dimension (wxdxh) | 980 x 670 x 1880 mm \| 38.5 x 26.37 x 74 inches |
| Weight | Ca. 300 kg \| 660 lbs |
| Required Working Temperature | 22 +/- 5°C |
| Required Working Humidity | < 40% |
| Connectivity | Ethernet, USB |
| Power Requirements | 110 / 230 V 6 A |
| File Compatibility | SLC, STL |
| Final Product Density | Technical Ceramics > 98.5% - 99.9%*<br>*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. A range of validated materials is offered for smoothless printing.

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