

AM- ε^3 300C-HT

Convenient and easy to use
Middle work size of *AM- ε^3*

- Efficient 3D printing for small lot parts
- Ideal for reproducing detailed shapes

Reproducible
for detailed
shapes

Practical
work size

* Certified by
UL Blue card

※ In case to use of Aspect genuine material ASPEX-PA2FR

Improved for productivity and accuracy

Achieving high-definition and high precision scanning
by build parameter optimization with new high-speed digital Galvano mirror

Homogenization for temperature distribution

Reduce variation of parts by homogenization for
temperature distribution within printing area using
loop heater and thermal image sensor control.

From prototype to final parts production

Meet all your needs from prototype
usage to final production parts with
convenient work size.

Available for all of Aspect genuine materials

Can be printed by one machine from general purpose
resin to super engineering plastics



Specification

Machine (mm) *1	W2200 × D1570 × H1950
Machine weight	2 ton
Chiller	43kg × 2 units
Power supply	3 phase AC200V ± 10% 50A 50/60Hz
Power consumption	15kVA
Environment	Room temperature 18~24°C(within ± 2°C range during machine operation) Humidity under 70%
Application software	Original software
Data format	STL Data format
Accessories	●BOS(Breakout station) ●Lifter ●Feed cartridge ●Chiller × 2 units ●Part cartridge
Ancillary equipment	●N2 supply device ●Deodorizing device ●Blaster ●Material mixer ●Shifter ●Air compressor ●Explosion proof vacuum cleaner ●Dust collector ●Oxygen Concentration alarm
Optional	●Thermal image sensor ●Automatic material recycling equipment ●Cooling Box unit ●Feed cartridge ●Part cartridge
Possible parts placement range	300mm × 300mm × 410mm
Actual parts size(XYZ)	290mm × 290mm × 400mm
Laser beam	CO2 Laser 100W Φ0.32mm
Laser beam scanning	Digital Galvanometer mirror method/ Selectable for scanning pattern
Maximum scanning speed	15m/sec
Maximum process temperature	280°C

*1 Do not include PC・Signal light・N2 piping .



Material

ASPEX-PPS	ASPEX-PPS+GB	ASPEX-PPS+CF	ASPEX-PPS+GF
○	○	○	○
ASPHIA-PA6 + GF	ASPEX-PFA		
○	○		
ASPEX-PA	ASPEX-PA2Neo	ASPEX-GB	ASPEX-GB2Neo
○	○	○	○
ASPEX-PA2FR	ASPEX-FPA	ASPEX-PBT	ASPHIA-PP
○	○	○	○
ASPEX-POM			
○			