AJ200

Compact benchtop system for professional electronics printing, powered by aerodynamic focusing technology with 10µm to mm feature range.

Standard configuration: fine print head, ultrasonic atomizer, 200mm heated vacuum platen, alignment & process cameras.

Multi-material deposition on planar and nonplanar substrates, covering conductive inks, polymers, insulators, adhesives, etchants and biomaterials.

KEWA software controls motion, vision and printing; VMTools™ CADCAM plugins generate print toolpaths.



AJ200 BASE SYSTEM INCLUDES	
Ultrasonic atomizer cassette	Capable of handling liquid materials viscosities to 0.7–15 cP
Fine feature deposition head	Set of 100, 150, 200 and 300 mm nozzles with printed features ranging from 10 mm to 200 mm
Mechanical shutter	Used to divert the aerosol stream between the deposition head and the substrate
Process control module (PCM)	The PCM manages the various flows required for the pneumatic and ultrasonic deposition processes as well as the subsystem interfaces
KEWA interface module (KIM)	The KIM manages deposition control utilities including temperature, shuttering, and interface between KEWA software and the PCM
Vision Modules	Digital process viewing and alignment allows real-time viewing of the printing process and alignment to part fiducials
Axes	2-axis system with X, Y table
Software	KEWA operating system with VMTools (AutoCAD plug-in) for toolpath generation
Build volume	200 mm x 200 mm

OPTIONS INCLUDE	DESCRIPTION
Widen nozzle print head	Swappable wide nozzle print head with feature sizes from 0.50 mm to 2.0 mm
Tilt bracket for print head	Fine feature manual tilting with up to 45o of freedom
Pneumatic atomizer	Increases material viscosity range from 1 to 500 cP. Comes within-line heater/stirrer

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