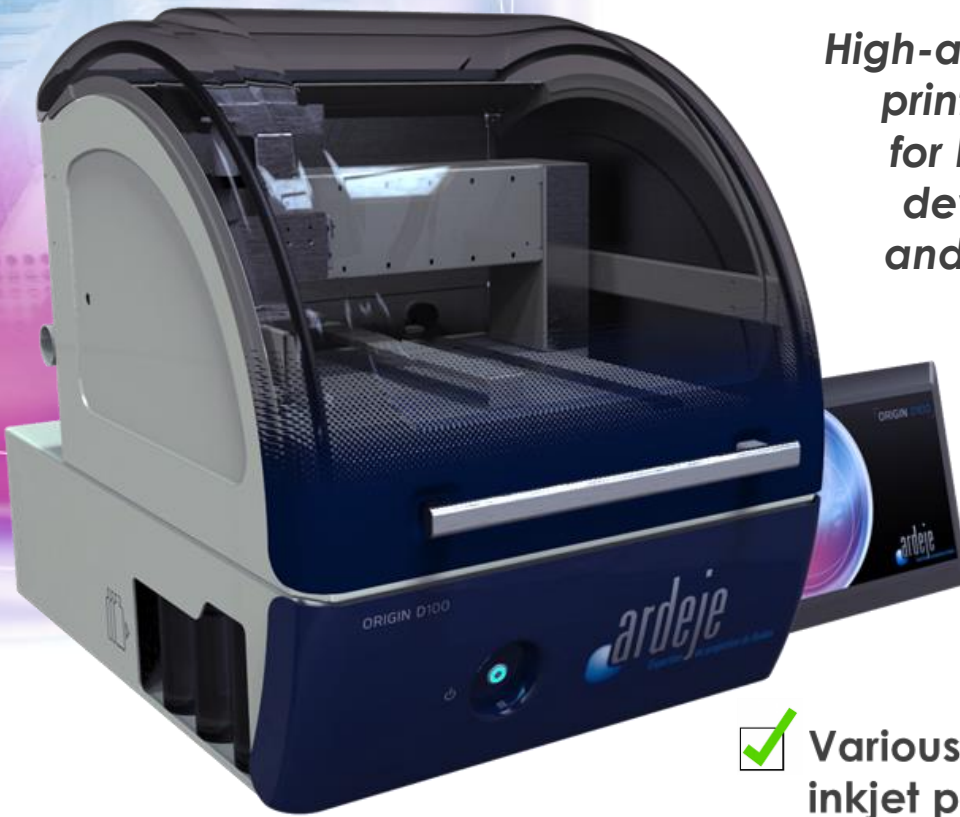


OriginD100

High-accuracy digital printing platform for R&D process developments and prototyping



✓ The widest choice of printing strategies and jetting parameters

✓ Industrial drivers embedded : direct scale-up to industrial solutions

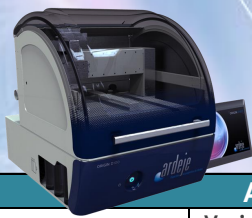
✓ Various Drop On Demand inkjet print heads



From inks to functional material deposition, the Ardeje OriginD100 is an all in one small footprint platform simple to use and operate, customizable through numerous options.

Ardeje OriginD100: the most efficient tool towards industrialization !

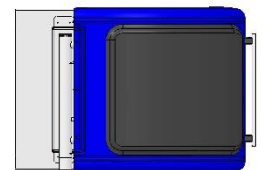
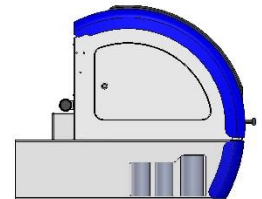
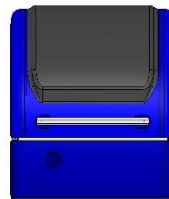
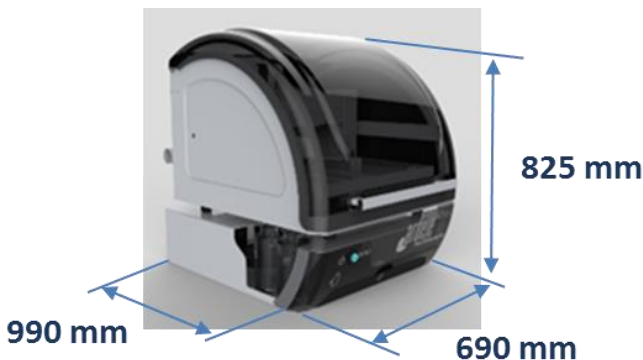




OriginD100

ARDEJE OriginD100 specifications	
Printheads	Various piezoelectric DOD technologies integrated in an inkjet printing module with easy and fast change with high accuracy
Inks and functional materials	Water-, solvent-, oil-based inks, UV-curable inks, UV-resins, organic or inorganic and hybrid materials, colloidal solutions, Sol-gel *
Ink System	Easy and fast Ink change / cleaning Low material consumption (down to 5 mL) Direct feed from syringe / Disposable reservoir (syringe type)
Mechanical axis resolution (X/Y)	Resolution : 0,5 µm / Repeatability : (+/-) 1 µm
Printing Speed (Y)	up to 100 mm/s
Product size	up to 330 mm x 285 mm x 350 mm (X/Y/Z) *
Substrate holder	Mechanical indexes
Air system	Meniscus control / purge
HIM / Software	Integrated inkjet and motion control Pre-loaded recipes Printing Module configuration / Printing configuration settings saving Direct wide access to jetting and printing parameters (strategies, resolutions, ...) Tools for quick and easy nozzle check status control Advanced functions
Maintenance	Spitting, manual purge, capping, cleaning
Housing	Housing for dust protection and safety Air exhaust connection : Diam. 50 mm
Power Supply	Single phase, 100-240 VAC, 1000W, 50/60 Hz
ARDEJE OriginD100 options	
Ink System	Advanced reservoir with Automatic refill and level management* Automatic cleaning*
Maintenance	Automated functions : Purge and Wiping*
Number of Inks	Up to 2 inks or fluids simultaneously*
Substrate holder	Removable chuck, vacuum, heating*
Drop Visualization	Removable and easy to fix optical system for drop-in-flight captures* Advanced Drop analysis*
Optical system	Embedded optical system near the printing module for positioning and alignment* Printed pattern observations and images* Tools for analysis*
Printhead	Temperature control up to 80°C *
UV Curing	UV LED*

* dependent on printing module/selected options



Color up your projects !
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