

BIOSPOT® ARC Datasheet English

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| 10184587

Three axis gantry system for the automation of Hamilton Freiburg Starter Kits or OEM components. Modular design with max. configuration of two dispense channels, TOPVIEW camera and SMARTDROP® system. External control unit and software included. External computer required



Specification - gantry

Axes System	x/z: printhead travel, y: substrate travel	
Addressable Area	180 x 125 mm or 2 SBS microplate positions	
Z-travel	40 mm	
Version	Speed	Precision
Axes Speed	X/Y: 120 mm.s ⁻¹ Z: 10 mm.s ⁻¹	X/Y: 20 mm.s ⁻¹ Z: 10 mm.s ⁻¹
Absolute Positioning Accuracy	< 200µm	< 80µm
Precision/Step Width	20 µm	10µm
No. Dispensing Channels	2 max.	
Compatible Dispensing Technologies	PIPEJET and/or SIJET	
TOPVIEW Camera	Integrated	
SMARTDROP System	Optional	
Footprint	671 x 418x 233 mm (L x W x H)	
Weight	6 kg (depending on configuration)	



Specification - Control Box

Available installation slots	2 x - Control Electronix (1x) - SMARTRESERVOIR (1x)
Axes control unit	Integrated
Power consumption	80 W
Footprint	483 x 277 x 161 mm (L x W x H)
Required Space	600 x 300 mm (L x W)
Weight	7 kg (depending on configuration)

Computer System Requirements*

Operator System	Windows 11
Processor	Intel CPU, 6 cores or 4 cores / 8 threads, Boost Clock $\geq$ 4.2 GHz, 8th generation (CoffeeLake)
Memory	8 GB DDR4-2666 MHz, 2 modules (dual-channel configuration)
Graphics	Integrated graphics (UHD) or dedicated graphics (NVIDIA GT1030 or later)
Storage	250 GB PCIe 3.0 x4 NVME SSD, no QLC
Interface	USB 3.0 / USB 2.0

*Recommended for full system performance

Ambient Conditions

Temperature Range	15-30°C
Operating Humidity	15-80% (non-condensing)

Compatible Products

Dispensing Technology	PIPEJET® Nano Dispenser and / or SIJET Pico Dispenser
Control Unit	Control ElectroniX 200
Software Licence	BioFluidix Control

Products SKU

PIPEJET® nanoDispenser Kit	10193599
PIPEJET® 500	10186906
PIPEJET® 200	10193807
PIPEJET® 125	10193806
SIJET® Pico Dispenser Kit	10193601
SIJET® Pico Dispenser	10186915
SMARTDROP® System	10193809
Control ElectroniX 200	10191770

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