



Is your microarray printer suited to your needs?

Is it powerful, flexible and intuitive enough?

Arrayjet microarrayers combine

- speed
- reliability
- reproducibility
- quality
- ease of use

### Arrayjet printers at-a-glance

Technical information	Marathon Classic	Marathon Argus	Super Marathon	Ultra Marathon I & II
Input capacity:	6 plates		48 plates	Ultra Marathon I: 6 plates Ultra Marathon II: 48 plates
Output capacity:	Up to 100 slides			Up to 1,000 slides
Print speed	640 features per second			
Optical Camera QC	No	Yes		
Sample handling:	12 Sample Reduced Aspiration JetSpyder	12 Sample Reduced Aspiration JetSpyder 12 Sample High Capacity JetSpyder 32 Sample Ultra-low Aspiration JetSpyder		
Printhead:	Xaar XJ126 piezoelectric printhead, 126 nozzles			
Dispensing volume:	100 pL to 10 nL (100 pL increments)			
Feature Size:	90 - 500 $\mu$ m			
Print accuracy:	+/- 10 $\mu$ m			
Weight:	330 kg / 725 lbs		340 kg / 750 lbs	420 kg / 925 lbs
Height:	1.70 m			
Width:	1.56m (1.78m with chiller)			
Depth:	0.89 m			
Power:	220 V, 50/60 Hz or 110 V, 50/60 Hz			



## What Arrayjet do

Arrayjet offers five scalable microarray printing instruments, and Arrayjet Advance™ microarray services. We also offer accessories & consumables to support both our instrument and out-sourcing customer needs.

## Who are Arrayjet

Arrayjet provide innovative microarray solutions to researchers, drug development groups and diagnostic companies world-wide.

## Arrayjet's Philosophy

We take a customer focused, relationship driven approach to deliver microarray solutions beyond expectations, every time.

*"Since becoming a user of a Marathon Inkjet Microarrayer I have been extremely happy with the service and expertise provided by Arrayjet. Any questions about the technology are answered promptly by knowledgeable and friendly in-house scientists and support staff. The machine is easy to use and can print many samples quickly and accurately, which is perfect for any kind of high throughput methods development project!"*

Dr Laura Wood  
Wellcome Trust Sanger Institute

## The Arrayjet Advantage

### Speed

- True inkjet capabilities
- Non-contact, on-the-fly printing
- The fastest printing technology available
- The largest batch size available

### Precision

- Precise spot volume: 100 pL - 10 nL
- Accurate feature size: 90 – 500  $\mu\text{m}$
- User defined spacing: 1  $\mu\text{m}$  increments
- Low intra and inter slide CV's, <5% CV

### Consistency

- Environmental control as standard
- Automated critical parameter monitoring
- Remote user alerts
- High quality microarrays, every time

## Scalable Inkjet Microarrays

- 100 to 1000 slide capacity
- Walk-away array manufacturing
- JetMosphere™: Complete temperature and humidity control
- International maintenance and customer support
- Guaranteed performance with Arrayjet approved consumables and accessories

- **Marathon Classic**
- **Marathon Argus**

### Powerful

True inkjet printing

### Intuitive

User friendly software and simple platform

### Flexible

From DNA to biopsy lysates, and nitrocellulose to MEMS

### Quality

Consistently great arrays

- **Super Marathon**
- **Ultra Marathon I and II**