

Direct Tube Marker

Tube labels or stickers are no longer required for sample identification - Direct Tube Marker is designed to print text, 1D linear barcodes, 2D data matrix codes and / or graphics directly onto most polypropylene sample storage and general-purpose laboratory tubes. Using Thermal Pixel Printing technology, Direct Tube Marker prints directly onto the surface of tubes sized from 0.5ml to 50ml.

Clear and durable marking with consistently legible text and barcodes printed at high resolutions is easier and faster than marking by hand. Direct Tube Markers permanent printing is resistant to water, alcohols (methanol, ethanol, isopropanol), DMSO, haematoxylin, liquid nitrogen and mechanical abrasion.*

Printed information is stable over a wide temperature range from -196°C to 100°C and markings do not transfer when tubes are manually handled.

The Direct Tube Marker delivery package contains tube adapters with hole diameters 8.5mm, 11.5mm and 12.7mm. These are compatible with most commonly-used tubes. Other adapters are available to order separately, please specify at time of ordering.



Key Features

- Direct Tube Marker prints directly on the surface of plastic laboratory and sample storage tubes in seconds
- Most 0.5ml to 50ml tubes with a smooth surface can be printed
- Adjustable tube support platform allows printing on tubes without a lip or collar
- Tube profiles created in the Direct Tube Marker software can be saved for future reference and sample tracking
- Adjustable sled pivot point improves overall print quality for larger tubes and labels
- Wide range of adapters available for differing diameter tubes

Flexible Label Printing to Suit Your Needs

- Tubes can be marked with any orientation
- Direct Tube Marker can print text, 1D linear barcodes, 2D datamatrix codes and graphic files (monochrome .bmp, .gif, .tiff) such as logos
- Several lines of text can be printed, such as: sample name, your name, date, time etc.
- All TrueType fonts available on the connected PC can be printed
- Font size and type will determine the maximum available printable content

High-Quality and Durable Printing

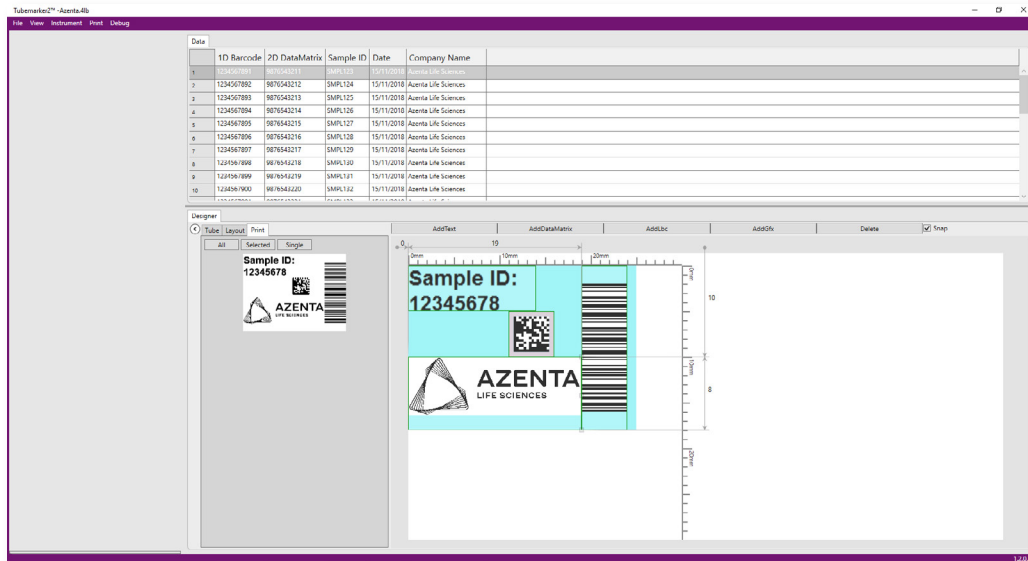
- Thermal Pixel Printing technology produces clearer and more durable marking than marker pens
- Metallic blue, black and white ink ribbons are available for a range of colored tubes and colored contents
- Printing straight onto the tube surface is much easier than marking by hand or adhesive label
- Quick and easy to change ink ribbon
- Marking resistant to 70% ethanol, 70% isopropanol, >98% methanol, DMSO, pure haematoxylin, liquid nitrogen & mechanical abrasion*
- Printing is temperature resistant from -196°C (liquid nitrogen) to 100°C
- 300m ink ribbon will mark up to 100,000 tubes**
- Enables full integration within robotic automation systems
- Easy integration with SiLA compliant devices using SiLA driver
- Instrument reliability

*ribbon chemical resistance dependent on ribbon type

**dependent on size of label print



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Specifications

Parameter	Value
Communication	USB port
Print Method	Thermal Pixel Printing
Label Detail	Print height: 6mm, Print width: 40mm, Any print orientation
Tube Compatibility	Most plastic laboratory tubes 0.5 to 50ml
Dimensions L x W x H	280mm x 270mm x122mm
Electrical	V in: AC 100-240V V out: DC 18V
Weight	4.8kg
Throughput	Up to 200 Plate Seal Removals per Hour

Ordering Information

4ti-0680-1	Direct Tube Marker, includes: 3 x tube adapters (4ti-0681, 4ti-0683 and 4ti-0684)
4ti-0681	Direct Tube Marker Adapter, tube adapter for 1.5 ml/2 ml tubes
4ti-0683	Direct Tube Marker Adapter, tube adapter for 2D cluster tubes
4ti-0684	Direct Tube Marker Adapter, tube adapter for cryo tubes
4ti-0685-1	Direct Tube Marker Adapter, tube adapter for 2 ml screw cap tubes (10 mm diameter)
4ti-0685-2	Direct Tube Marker Adapter, tube adapter for 15 ml tubes
4ti-0685-3	Direct Tube Marker Adapter, tube adapter for 50 ml tubes
4ti-0685-4	Direct Tube Marker Adapter, tube adapter for Matrix tubes
4ti-0685-5	Direct Tube Marker Adapter, tube adapter for 0.2 ml tubes
4ti-0686	Direct Tube Marker Ribbon, metallic blue
4ti-0688	Direct Tube Marker Ribbon, white
4ti-0689	Direct Tube Marker Ribbon, black
4ti-0689-1	Direct Tube Marker Ribbon, black, universal



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