

# New Product Announcement

## TMA Master II

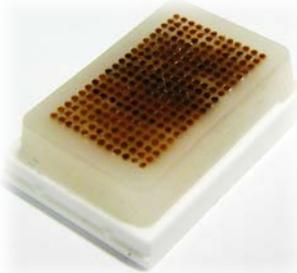
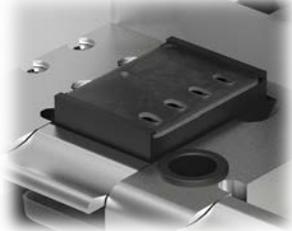
*3DHISTECH is announcing its New TMA Master II tissue microarrayer.  
In 2016 3DHISTECH is launching its second generation TMA Master model as the newest member of the TMA product family.*



With over 10 years' experience at the field of fully automated tissue microarrays, we developed a new TMA Master device. The new TMA Master II has numerous hardware and software improvements inspired by our flagship device, TMA Grand Master.

TMA Master II is the smallest fully automated tissue microarrayer at the market, it easily fits on any laboratory bench. This easy to use device can offer more features and faster operation speed than other TMA instruments.

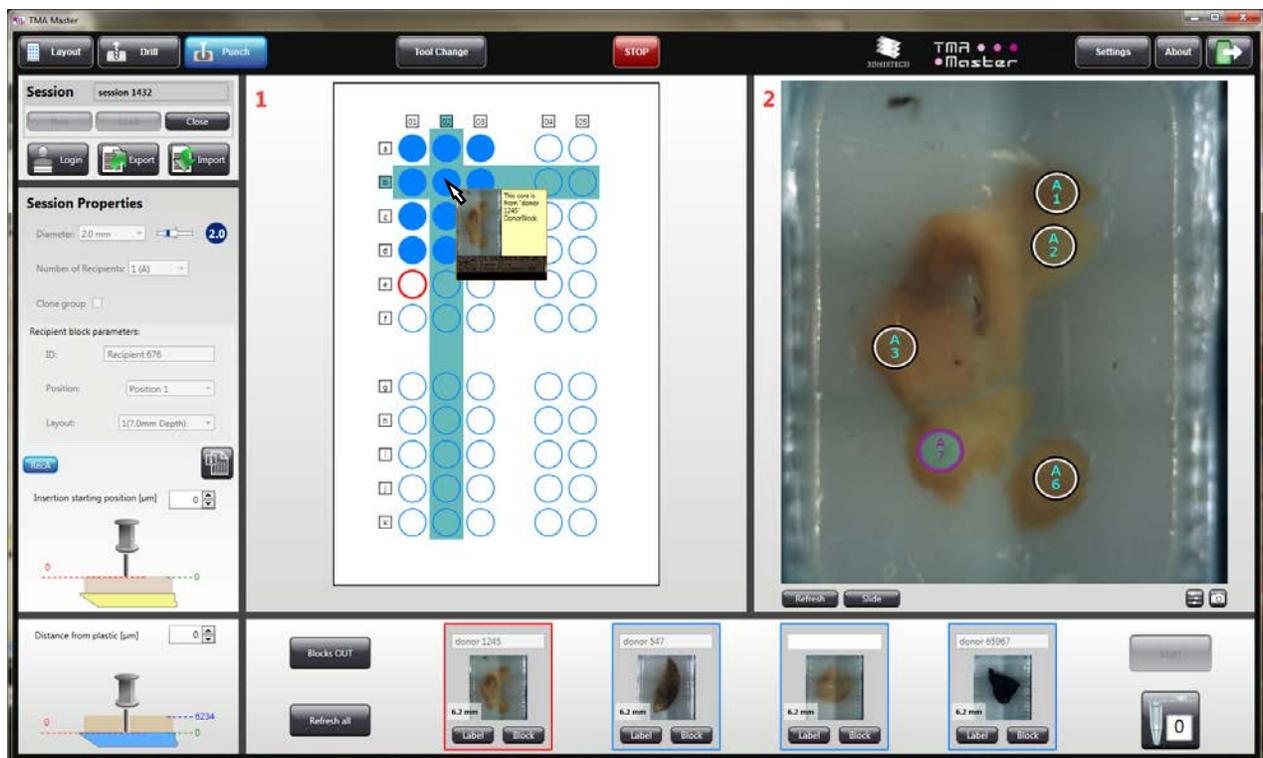
## Main hardware improvements and benefits

Hardware improvements	Benefit for the user	
Stronger TMA Grand Master type motors and tools	The new system is stronger and offers a more reliable operation even with harder tissues.	
High resolution camera	The new camera is able to take better and sharper images in less time.	
Sensor for block height measurement	<p>There is no need for manual recipient block height measurement.</p> <p>More precise core insertion, better TMA block quality.</p> <p>Sharper donor block images, obtained by donor block height measurement and better focus mechanism.</p>	
Sensor for tool size measurement	<p>The tool length measurement offers more precise core insertion and better TMA block quality.</p> <p>The sensor is able to recognise the tool diameter too, therefore the system can prevent the mixing of the different diameter tools by user error.</p>	
New cassette for PCR tubes	The new cassette has 4 PCR tube capacity. Now, TMA Master II users can take samples from up to 4 different tissue blocks in one run.	
Belt driven main unit	The belt drive offers significantly faster movement between the blocks during the image taking, punching or insertion processes. Therefore the user will experience much faster operation.	

## Specifications

Capacity, blocks (Recipient and/or Donor)	5
Core diameter, mm	0.6, 1, 1.5, 2
Maximum number of cores	558 (0.6 mm), 286 (1 mm), 135 (1.5 mm), 84 (2 mm)
Speed, core/hour	200-250
Donor block image recording	Yes
Use of MRXS digital slide and/or JPEG digital image for sample designation	Yes
Barcode reading	1D and 2D
Data export	XLS
Dimensions, cm (W x D x H)	38 x 24 x 29
Weight, kgs	8

## TMA Control 2.5 Software



TMA Master II is controlled by the latest TMA Control software. The TMA Control software is the perfect solution for TMA block design and creation. By using the TMA control software the operator can easily design the recipient block layout. The tissue core selection is also computer assisted, the user can select the relevant tissue cores from the donor block image. At the end of the workflow, the TMA data could be exported in Excel file format, and will be an invaluable resource of information during the TMA slide analysis.