



Press Release

Alchemie Technology Ltd, announces licensing programme for Jetronica Digital FabriCoater technology at IMI's Technology Showcase

19th August 2014

For immediate release

Alchemie Technology is pleased to announce the launch of its licensing programme for the Jetronica FabriCoater technology at the upcoming IMI Technology Showcase, 3 – 4 September 2014, Charlotte, NC, USA.

Jetronica is a novel deposition technology combining the benefits of digital with the throughput and materials flexibility of established analogue industrial production processes. Specified for coatings, adhesives, textile and additive manufacturing applications requiring high volume with consistent coverage, Jetronica FabriCoater technology provides a unique platform for delivery of 'materials patterning' at production line speeds.

Alchemie Technology is excited to bring to market this new method of selective patterning, coating and decoration by enabling organisations to obtain a license to develop this breakthrough manufacturing platform.

Alan Hudd, Alchemie's CEO comments, 'Jetronica FabriCoater technology seeks to take digital productivity to new performance levels in application areas not previously addressable through a traditional digital process. The benefits of digital manufacturing are now well understood within industrial production however, many processes have struggled to benefit from these advantages due to limitations, primarily materials throughput, coverage and high cost. Enabling high speed deposition at industrial resolution with a broad viscosity range more commonly associated with analogue fluids, Jetronica takes digital into the next dimension for many coating and dispensing applications'.

Jetronica's robust dispensing array is designed for high volume coating and patterning for production line applications. Scalable and robust, Jetronica technology can dispense a wide range of UV curable, aqueous, solvent and oil based fluids.



Jetronica's patented technology is based on a unique piezoneedle array, which delivers a precisely defined fluid with digital control. The actuation of the piezoneedle generates a standing wave that ejects the fluid droplets from the nozzle. Offering maximum flexibility at much lower costs. Piezoneedle arrays can be engineered in a wide range of configurations for industrial use and can be tuned to accept a broad range of fluids including high viscosity and non-newtonian materials. Simplicity of design means the technology can easily be scaled for wider print widths or higher flow rates.

Hannah O'Brien, Sales and Marketing Director at Alchemie explains, 'Jetronica's FabriCoater technology is available for users and OEM's looking to implement high volume digital deposition in production line environments. It can also be used for dispensing specialised high value functional fluids, ranging from niche bio through to technical textiles materials. The technology has already been demonstrated in some exciting new applications and demonstration evaluation kits are now available for developers interested in creating a solution for their industry. Alchemie can assist customers to accelerate development programmes, offering technical support to facilitate industrialisation of this disruptive technology'.

Jetronica's technology will be demonstrated at the up-coming IMI Technology Showcase to be held in Charlotte, 2 – 4th September.

For more information about Jetronica or to set up a meeting at the showcase please contact:

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For more information or to register for the IMI Showcase, Charlotte 3 - 4 September 2014 please visit

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