April 26, 2012

Mitsubishi Paper Mills Limited

Product Launch of Silver Nano Particle Ink and Special Media

Mitsubishi Paper Mills Limited announced today the product launch of silver nano particle ink suitable for industrial inkjet printheads and special media onto which said ink is printed. Industrial inkjet printheads are large and durable printheads, widely used for such industries as, cloth printing, graphic printing, architectural decoration, and display manufacturing. Also, applications in the field of printed electronics are expected in coming years.
Utilizing the ink and special media above in combination, customers can easily manufacture RFID antennas or various sensor electrodes etc. “just by printing” without any post processes sintering.

<Silver Nano Particle Ink>
This eco-friendly waterborne silver nano particle ink is manufactured with MPM’s proprietary processes. We launched the sales of inks suitable for the printheads of KYOCERA Corporation.
We also started providing trial kits for the high precision Dimatix Material Printers of FUJIFILM Dimatix, Inc. which is widely used especially for research and development.

<Special Media>
MPM’s specialized medias have a unique ink receiving layer on either polyester film or resin coated paper, so the high resolution pattern can be obtained by making the best use of the fine printhead. Furthermore, printed patterns are highly resistant against scratching and bending due to the precisely designed layer structure, hence customers no longer suffer extensive damage from peel-off and crack of the pattern. Both roll and cut sheet in various sizes available.

This technology will be exhibited with live demo in DRUPA 2012, Düsseldorf, Germany from May 3 through 16.

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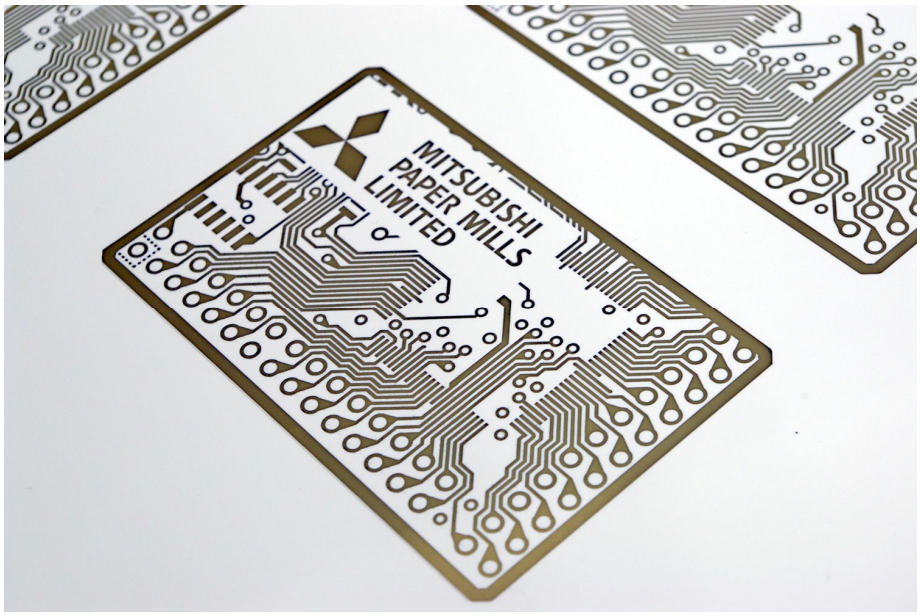
<Reference>



Example of printed conductive pattern