



**BIO**

**From Lab scale to High Volume printing – Flexible machine solutions for flexible substrates**

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Sergio Rico is the Sales Manager Spain & Portugal of the divisions of the German technology equipment and industrial solution integrator ASYS Group. One of the very relevant brands of which brands is Ekra that manufactures Screen Printers with the very advanced features.

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**Abstract:**

Within the ASYS Group, EKRA Automatisierungssysteme GmbH has been the specialist for high-end screen and stencil printing systems since 1967. Within the range of printers, we offer from semi-automatic lab printers to fully automatic lines, in order to cover applications in the printed electronics with flexible, semi-rigid or ceramic substrates.

To the aim of this workshop, we have used an off-line automatic screen printer, model XH-ST5, together with a screen HS-D 650/14/22,5° with a SS Trampoline from ASADA. As inks and pastes we have used printed Electronic Silver, LTCC (Low Temperature Cofired Ceramics) Silver, High speed solar paste silver and green ink and they have been applied on substrates such as LTCC, Ceramic, PET, Kapton, Solar wafer and coated Paper. As a result, we have achieved clear prints of 30 µm silver lines with 30 µm spacing.