

EHD-PRINTER

 Villach

BRIEF DESCRIPTION

SAL is the first institution worldwide offering completely new capabilities in high resolution printing to industrial partners, based on its newly installed multi-nozzle EHD printing platform.

RESEARCH SERVICES

- Wafer level microfabrication 8" capability
- Die/chip level microfabrication capability
- Minimal resolutions $\leq 10 \mu\text{m}$ (Remark: depends on the substrate and the ink type)
- 2.5D (3D) heterogeneous structures (e.g. combination of metal and dielectric)
- Suitable to print over multi-material 3D substrates (Si wafers, polymers, ceramic, etc.)
- Adjustment ejection flow rate (i.e. ejection frequency) is possible by many orders of magnitude

METHODS & EXPERTISE ON THE RESEARCH INFRASTRUCTURE

Main Services:

- Selective repair & modification
- Rapid prototyping
- Printing of various nanoparticle-based inks (conductive, dielectric etc.)

CONTACT

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