



Shaping the Future in
Electronics Manufacturing



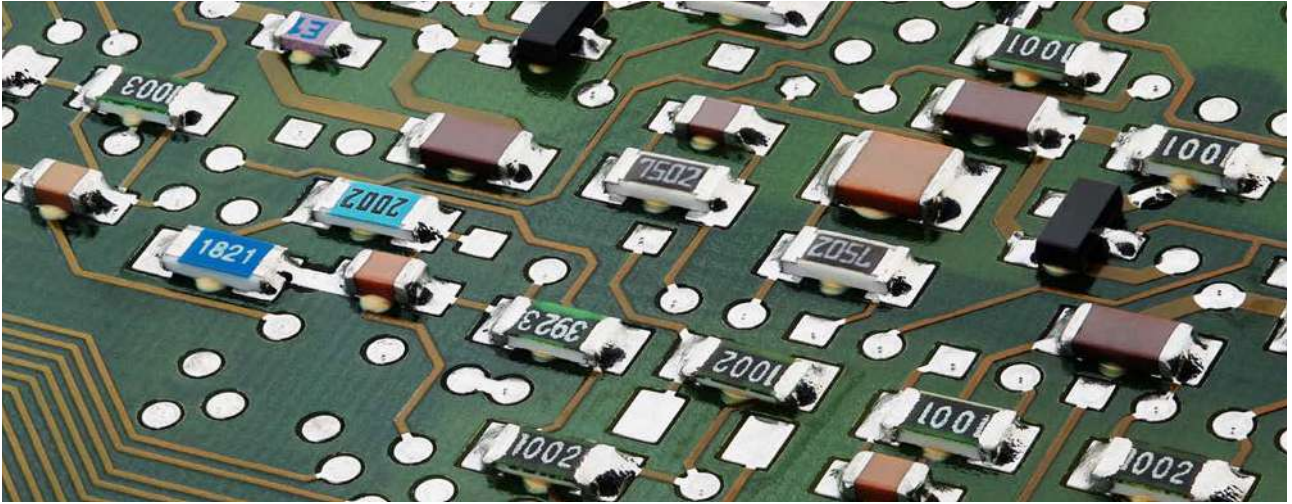
io300
product range

Continuous
Laser Assisted
Deposition
(C.L.A.D.)

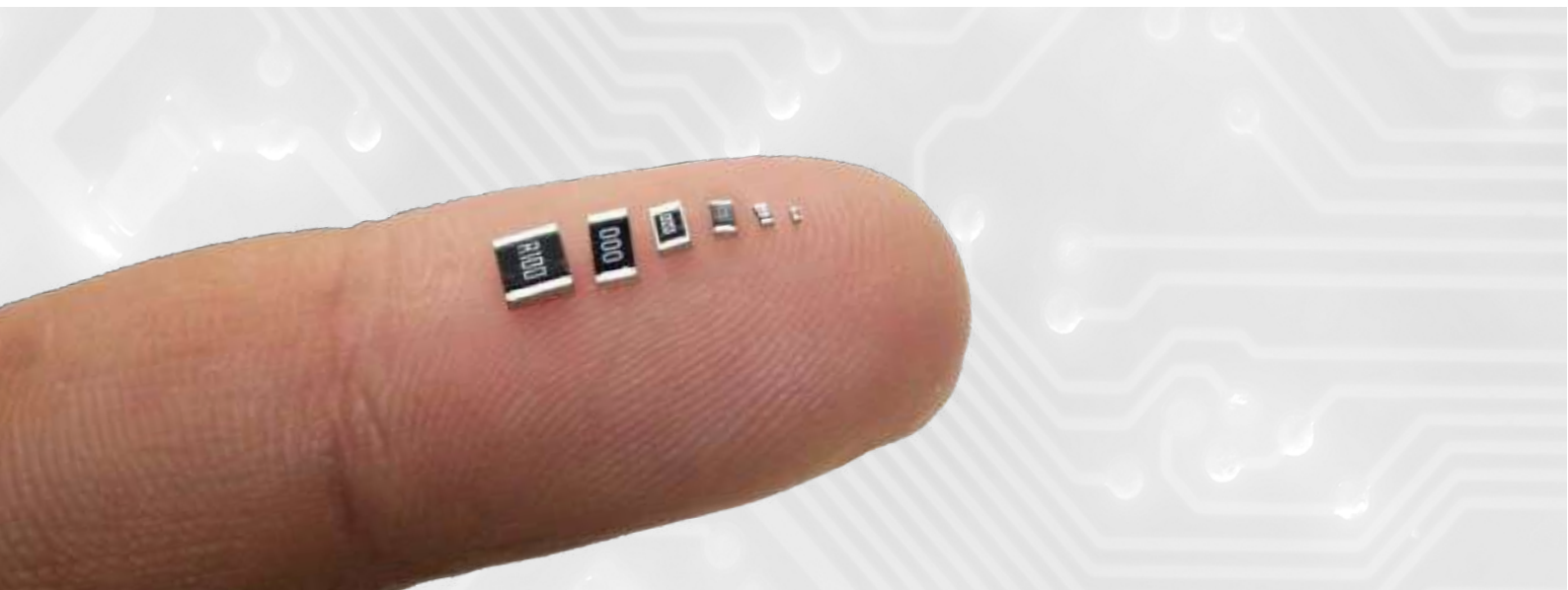
Cutting Edge Industrial Solder Paste Deposition

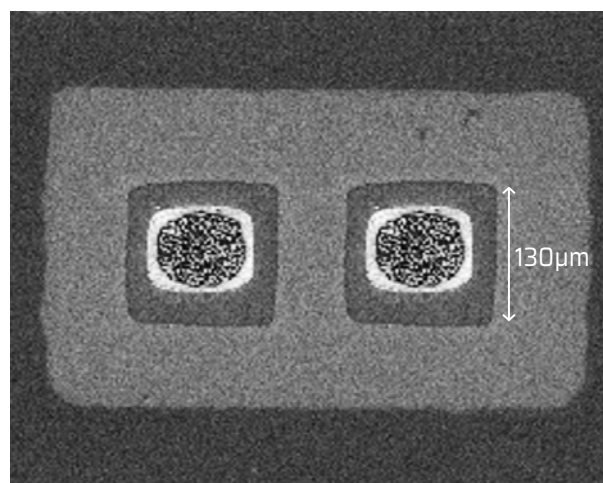
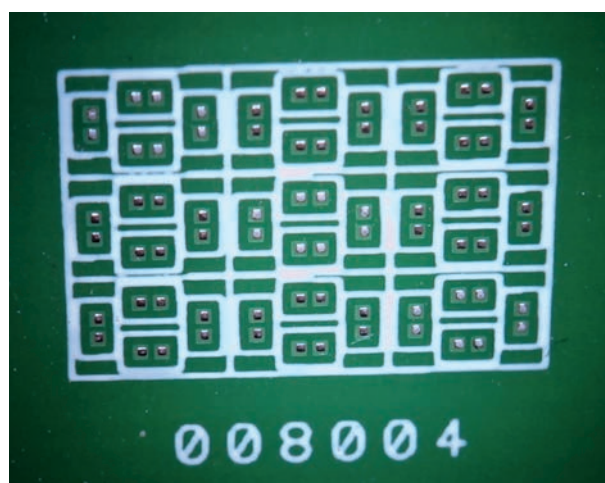
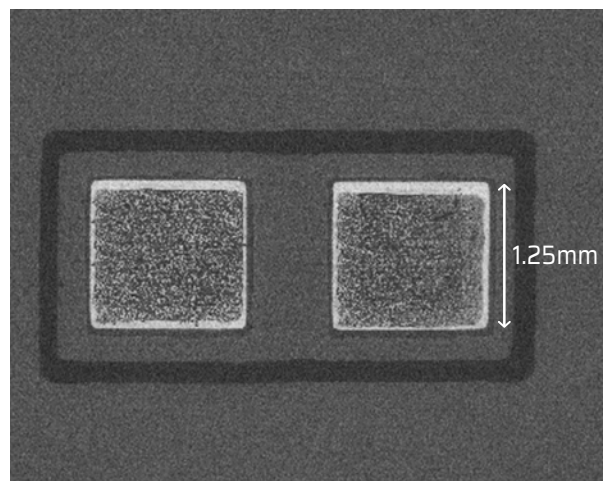
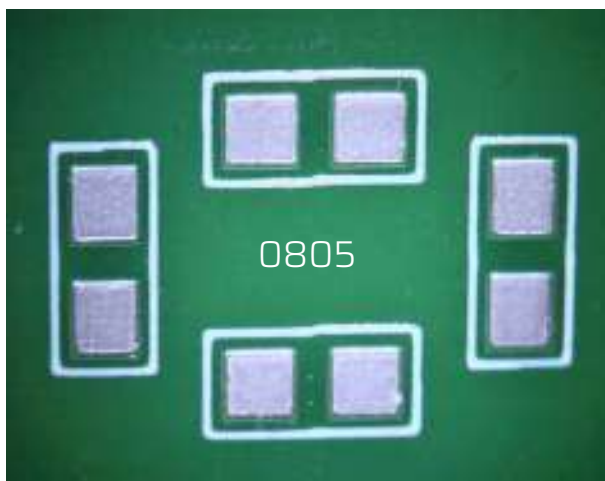
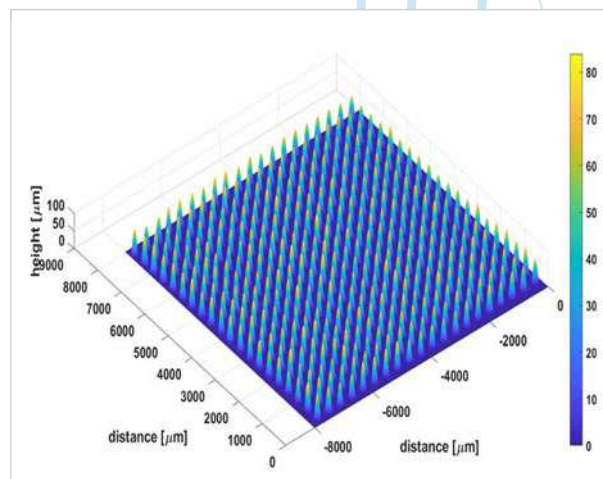
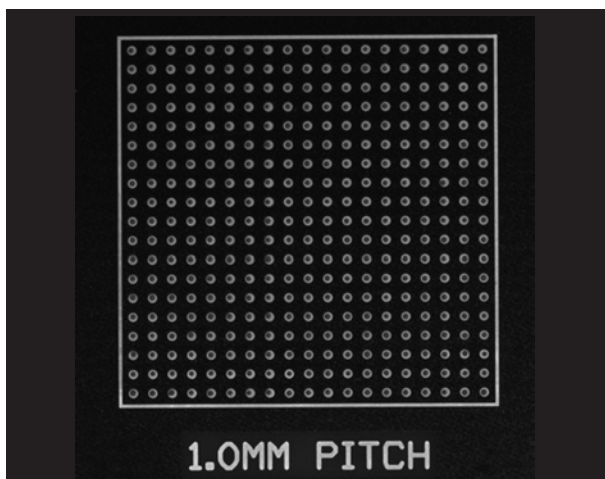
| 100% digital | Non contact |
| Most flowable materials | High resolution & speed |

Features & Benefits



- **Additive process** - No imaging, developing or etching. Clean integrated process
- **Non-contact** - Deposition on components or non-planar substrates
- **Nozzle-free** - High uptime
- **7.2M+ drops / hour** - High productivity
- **500µm to 20µm dynamic resolution** - Fits most designs
- **Mask free** - Concurrent printing of multi-size features
- **Multi-material** - Simultaneous deposition of solder and epoxy
- **High repeatability** - Consistent volume and height
- **Flexible laser technology** - Deposit any T4/5/6/7 solder pastes
- **Digital process** - Full customization and freedom of design



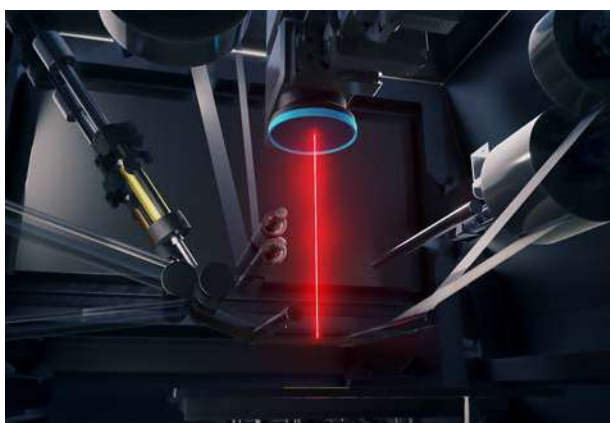


C.L.A.D. Technology



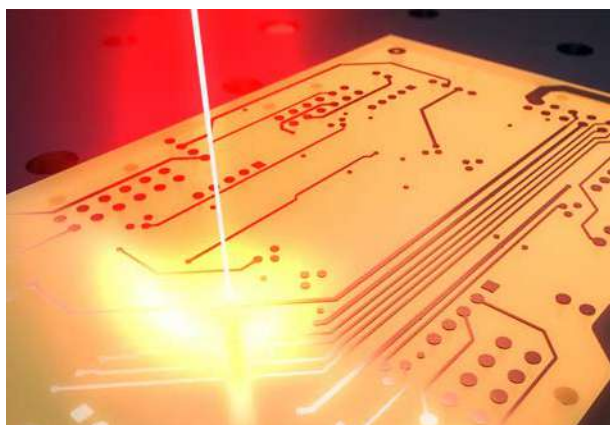
Coating

Material is dispensed and coated in micron-thin layers on a carrier foil.



Laser deposition

A laser beam triggers a nano-second vaporization to detach a material drop and jet it with micron precision.



Post processing

In-line post-processing features optional thermal and UV-curing as well as laser sintering and ablation.



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