

Excillum AB

Disruptive High End X-ray sources: Design, Development, Manufacturing

Contact: Simona Laza

Organisation: Excillum AB

E-mail: simona.laza@excillum.com

Company at a glance

- Based in Stockholm, Sweden
- Founded 2007
- 80 employees, 55% in R&I
- Sales: 12 M€
- R&I expenses: 25% of sales
- Partner in collaborative projects:
 KDT JU & ECSEL JU (HICONNECTS,14ÅCMOS, MADEin4),
 EUREKA CLUSTERS (FA4.0), EUROSTARS, Horizon2020, EMPIR,
 SME instrument, FP7, National grants (VINNOVA)
- AENEAS board









Competences & Products

Entirely devoted to advanced microfocus and nanofocus X-ray sources



MetalJet

World's brightest microfocus X-ray

SOURCE (see white paper)

Liquid metal-jet anode & advanced electron beam technologies

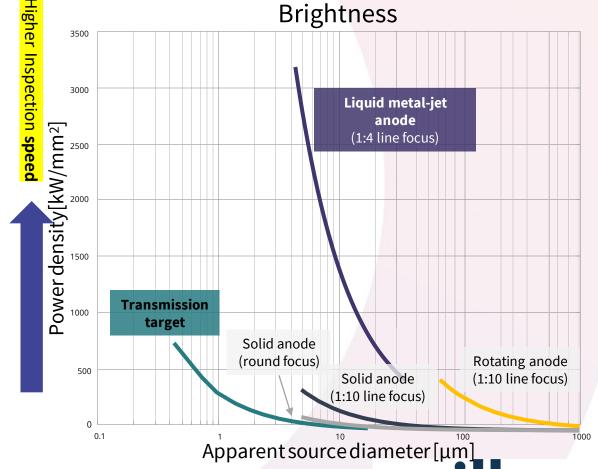


NanoTube

World's smallest X-ray nanospot

Advanced electron beam technology

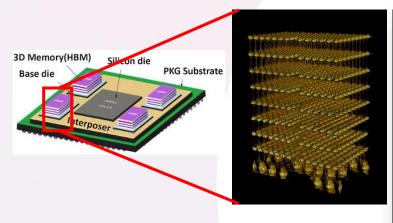




Higher resolution

X-ray sources for 3D challenges in Advanced Packaging





State of the art X-ray source

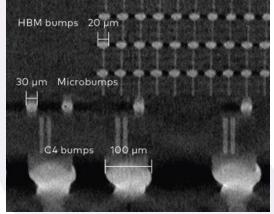


Image copyright https://yxlon.comet.tech/en/products/ca20



X-ray sources for Battery cell & cathode inspection





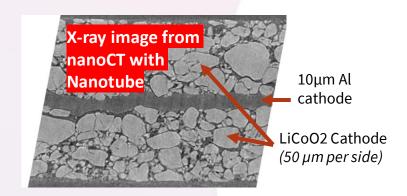




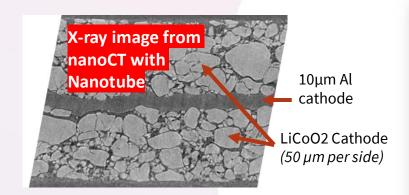
Image copyright - Tech Insights:

https://www.techinsights.com

X-ray sources for Battery cell & cathode inspection







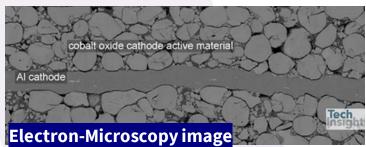
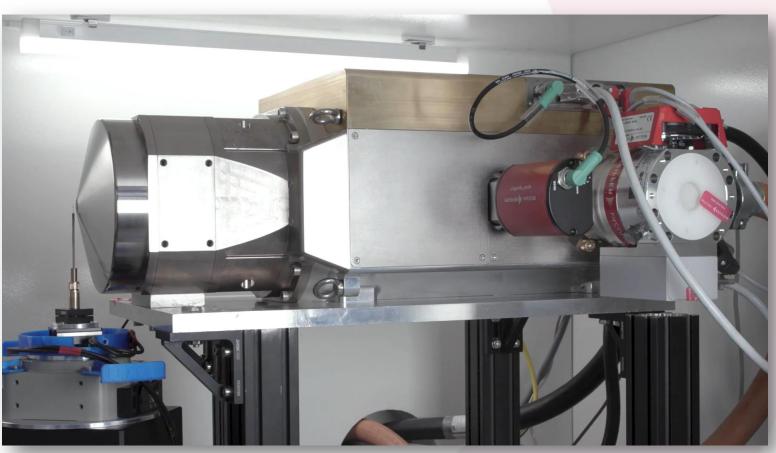


Image copyright - Tech Insights:

https://www.techinsights.com







| Collaborative project of interest to you | Chips JU, Eureka clusters, Eurostars/Globalstars, Horizon Europe or other |
|--|--|
| Scope | Technology development and new market access |
| Project idea | High-speed, high-resolution X-ray inspection |
| Project impact | Enable fail safe electronics, Quality assurance |
| Project consortium | Searching to partner with OEMs and components providers: FEOL/BEOL – Epitaxial layers (μHRXRD), Contamination & Composition (μXRF), Crystallinity (μXRD), Critical dimensions (CD) Advanced packaging metrology (NanoCT, Laminography) Electronics manufacturing – Electronics inspection Interested to participate in Pilotlines. |

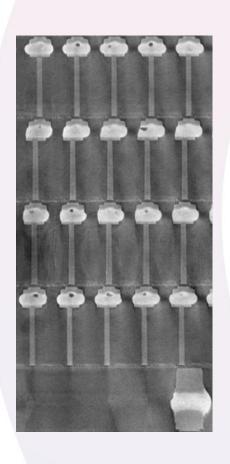
Contact:

Simona Laza, simona.laza@excillum.com

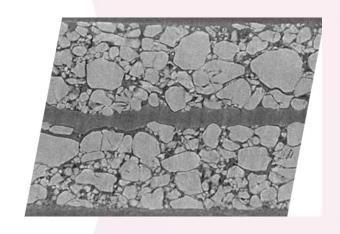
https://www.excillum.com/







Thank you!



Contact:

Simona Laza, simona.laza@excillum.com

https://www.excillum.com/

