

**PHOTONICS IN INDUSTRIAL PRODUCTION
COMPETENCE CENTRE**

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What is a Competence Centre?



- Collaborative entities established and led by industry
- Resourced by researchers associated with research institutions
- Focused on industry led research
- Opportunity to engage in higher risk, longer term research
- Industry makes direct input into the centre research
- Industry has access to IP
- Increased access to national and EU funding mechanisms
- Industry can partner with senior and influential researchers

Competence Centre Governance



- Board with industry chair
- Industry leadership empowered to function as a Board
- Formal consortium agreement
- CEO appointed by Board
- IP Agreement allowing exploitation
- Funding Agreement with EI/IDA



Photonics in Industrial Production Competence Centre



Ireland is a world leader in the utilisation of Photonics for manufacturing:

- Medical Devices
- Semiconductor
- Automotive

Focus on Photonics in Industrial Production

- use of laser & optics tools for advanced manufacturing

Bring key players together

Develop common research themes

Formal proposal

Open to new members



Founding Members



Open to New Members

What Do We Want To Achieve

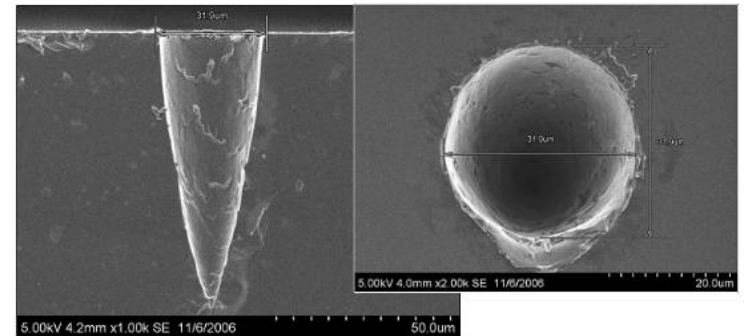
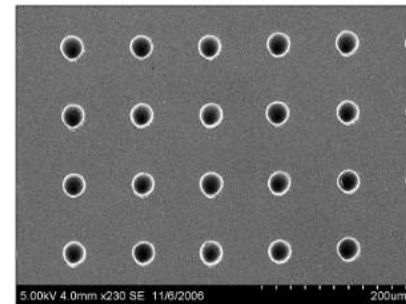


Increase profile of Photonics in Industrial Production

- Commercial
- Academic
- State Agencies

Impacts:

- Targeted funding for core research
- Higher level photonics education
- Knowledge Transfer
- Higher level of start-ups
- Increased exports



Laser processing of
Semiconductors - Courtesy of Xsil

Current Issues



Intellectual Property

- Competitors
- Chinese walls

Cost to members

- State Contribution
- Will it effect existing grant structure

Developing core research themes

- Inter – industry collaboration
- Supply chain collaboration

Management

- CEO
- Board Structure



Moving Forward



Working Group

3-4 key members
Develop agenda & strategy

State/Member Funding

Develop proposal
Cover costs



PHOTONICS IN INDUSTRIAL PRODUCTION **COMPETENCE CENTRE**

External Consultancy

International expertise
Higher chance of success

Formal Submission

Group proposal
3-9 months

Programme Status



- First Round closed in June 2007
- 5 Competence Centres were due to be established from Round 1
- To date 1 Competence Centre has been agreed with details to be announced shortly
- Considered that it is now an open call based on industry demand

Summary



- Competence centres offer increased aid and access to R&D resources
- Strong competition for resources
- Founding members world leaders
- Need to find common goals
- Push for Photonics in Industrial Production Competence Centre

Group Discussion Today



- Open invitation to all interested parties to attend a group discussion over Lunch