

## Business Offer

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### **A leading UK printing research centre with expertise in the manufacture of functional materials & devices offers reciprocal production & services agreements with organisations seeking to develop products in this field**

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#### Summary

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*A UK-based centre of printing expertise offers technical support, test facilities & research solutions for printing/coating material & process innovation. They have an association with a leading UK University & experience in the use of printing technologies to enable the manufacture of low carbon technologies & building integrated devices such as photovoltaic & sensor electrodes. They seek reciprocal production & services agreements with organisations developing functional materials.*

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<b>Last Update</b>	04 January 2017
<b>Expiration Date</b>	04 January 2018
<b>Reference</b>	BOUK20161110001

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#### Details

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##### Description

This UK centre for printing & coating technologies offers companies their expertise & facilities to develop functional material printing & coating processes.

Their knowledge is backed through experience of leading successful collaborative research projects, undertaking on-site production trials and developing research data direct from production printing presses.

The centre is offering services to support the printing of functional materials including applications within printed:

- Electronics & photonics
- Renewable energy
- Bio-sensors or bio-materials
- E-textiles
- Packaging & graphics
- Conductive inks & solvents

The centre has small scale development & testing facilities for roll-to-roll, sheet fed & bench scale production, and capacities within gravure, flexography, offset lithography, rotary screen & screen printing.

They are interested in finding international partners to develop identified target market applications within printing for lighting & electronic devices, biomedical, textiles, graphics & packaging. The centre is also interested in developing professional development courses within this field supported by distance learning provision utilising state of the art educational approaches.

Through reciprocal production and/or services agreements the centre will provide partners with

the necessary expertise & resources to develop commercial evidence across a number to emerging printing processes including the:

- Development of new ink/coating formulations
- Development & compliance to standards relating to emerging print technologies
- Prototyping & pilot scale production of components (RFID, Sensors, portable electronics, displays etc.)
- Analysis & characterization of material properties relevant to the print process

## Advantages and Innovations

The centre is linked to research within the Universities School of Engineering which drives an innovation-led culture which has:

- Capability for facilitating on site trials for process improvement
- Expertise developed through role in creation of international standards on graphic technology and printed electronics.
- Membership of the following standardisation committees: ISO Technical Committee 130 – Graphic Technology; ISO TC 119 – Printed Electronics
- Provided project leadership on ISO 12647 Graphic technology (Process control for the half-tone colour separations, Proof and production - Part 6: Flexographic printing) and ISO 12647 Graphic technology (Process control for the production of half-tone colour separations, proof and production prints, Part 5: Screen printing).

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## Keywords

### Market

06003002	Photovoltaics
08001007	Coatings and adhesives manufactures
08001009	Speciality/performance materials: producers and fabricators
08001010	Semiconductor materials (e.g. silicon wafers)
09004007	Printing and binding

### NACE

C.18.1.2	Other printing
M.72.1.9	Other research and experimental development on natural sciences and engineering
P.85.4.2	Tertiary education

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## Network Contact

### Issuing Partner

STEINBEIS 2I GMBH

### Contact Person

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**Open for EOI :** **Yes**

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**Dissemination****Send to Sector Group**

Materials

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**Client****Type and Size of Organisation Behind the Profile**

R&D Institution

**Year Established**

1994

**Turnover**

<1M

**Already Engaged in Trans-National Cooperation**

Yes

**Languages Spoken**

English

**Client Country**

United Kingdom

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**Partner Sought****Type and Role of Partner Sought**

The centre seeks collaborations with academic and research institutions involved in the development of functional devices by print. Print companies or the supply chain who wish to become more involved in functional printing or those companies already involved who require technical assistance to develop their ideas.

The centre seeks partners wishing to develop long term technology and commercialisation objectives with fields of: 3D bio-printing, roll-to-roll processing of components, Metrology and

standards compliance

## **Type and Size of Partner Sought**

SME 11-50, University, Inventor, R&D Institution, SME <10,>500 MNE, 251-500, SME 51-250

## **Type of Partnership Considered**

Services agreement  
Reciprocal production

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## **Attachments**

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