

# Partnering Opportunity

Profile status : Published

## Business Request

### A Turkish SME is looking for manufacturing agreement on coating equipment for solar panels

#### Summary

*A Turkish start-up focusing on development of innovative solar panels is looking for manufacturing agreement with gravure coating equipment manufacturers. The company is willing to purchase one unit of equipment for its R&D facility and is open to manufacturing agreements for further collaboration.*

Creation Date	30 October 2020
Last Update	18 November 2020
Expiration Date	19 November 2021
Reference	BRTR20201030001

#### Details

##### Description

The Turkish start-up is located in Düzce, in the West Black Sea region of Turkey. The start-up was founded in Düzce Technopark as an academic spin-off and funded by the most prestigious grant by the Turkish government. The company not only aims to transfer the research outputs to viable products but also continues developing OLED based technologies for innovative solar panels.

The requested product under a manufacturing agreement is a coating equipment, preferably a benchtop model or a pilot scale equipment with a small footprint. The equipment will be used to coat the solar cells manufactured by the company. The main features desired are:

1. Thermal drying
2. Strip coating

3. UV curing functions
4. Roll diameter greater than 30 mm
5. Roll length greater than 160 mm
6. Coating thickness between 1-200 um
7. Coating speed at least 3m/min

The company is currently willing to purchase one unit under a manufacturing agreement but is open to further business depending on performance of the equipment and after sales services by the manufacturer.

The start-up is already familiar with coating equipment, however prefers user friendly equipment.

### **Advantages and innovations**

The requested product is expected to have the following functions: small footprint, thermal drying, strip coating and UV curing functions. Forward and reverse rolling function would be an advantage.

The company is also open to offers from university based technologies and innovative solutions with prototype level products. The company is also open to providing feedback regarding the coating performance if the manufacturer plans to further develop its design.

### **Technical Specification or Expertise Sought**

The gravure coating equipment should have the following functions:

- Roll diameter greater than 30 mm
- Roll length greater than 160 mm
- Coating thickness between 1-200 um
- Coating speed at least 3m/min

Manufacturers with equipment other than above specifications can also send expression of interests indicating their equipment specifications.

After sales services provided by the business partner should be explained in the expression of interest.

### **Stage of development**

Already on the market

### **Comments Regarding Stage of Development**

Equipment already present on the market are preferred, however products at prototype stage ready for demonstration are also acceptable.

### **IPR Status**

Other

### **Comment Regarding IPR status**

IPR status is not of primary concern since the equipment will not be marketed but will be used in the company's R&D facility.

### **Profile Origin**

COSME

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## Keywords

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### Technology

02002002	Coatings
02005002	Laminate
04005005	Solar/Thermal energy

### Market

08003005	Other industrial machinery for textile, paper & other industries
08003007	Other industrial equipment and machinery

### NACE

C.28.9.9	Manufacture of other special-purpose machinery n.e.c.
C.32.9.9	Other manufacturing n.e.c.
M.72.1.9	Other research and experimental development on natural sciences and engin

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**Open for EOI:**     **Yes**

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## Dissemination

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### Relevant sector groups

Intelligent Energy

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## Client

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### Type and Size of Organisation Behind the Profile

Industry SME <= 10

### Year Established

2017

### Turnover

<1M

**Already Engaged in Trans-National Cooperation**

No

**Languages Spoken**

Turkish  
English

**Client Country**

Turkey

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**Partner Sought**

**Type and Role of Partner Sought**

The partner sought is ideally manufacturer or supplier of gravure coating equipment suitable for solar cells. Partners from both established industrial manufacturers and academic spin-offs are welcome.

The partner is expected to provide after sales services and spare parts for the equipment within the manufacturing agreement.

**Type and Size of Partner Sought**

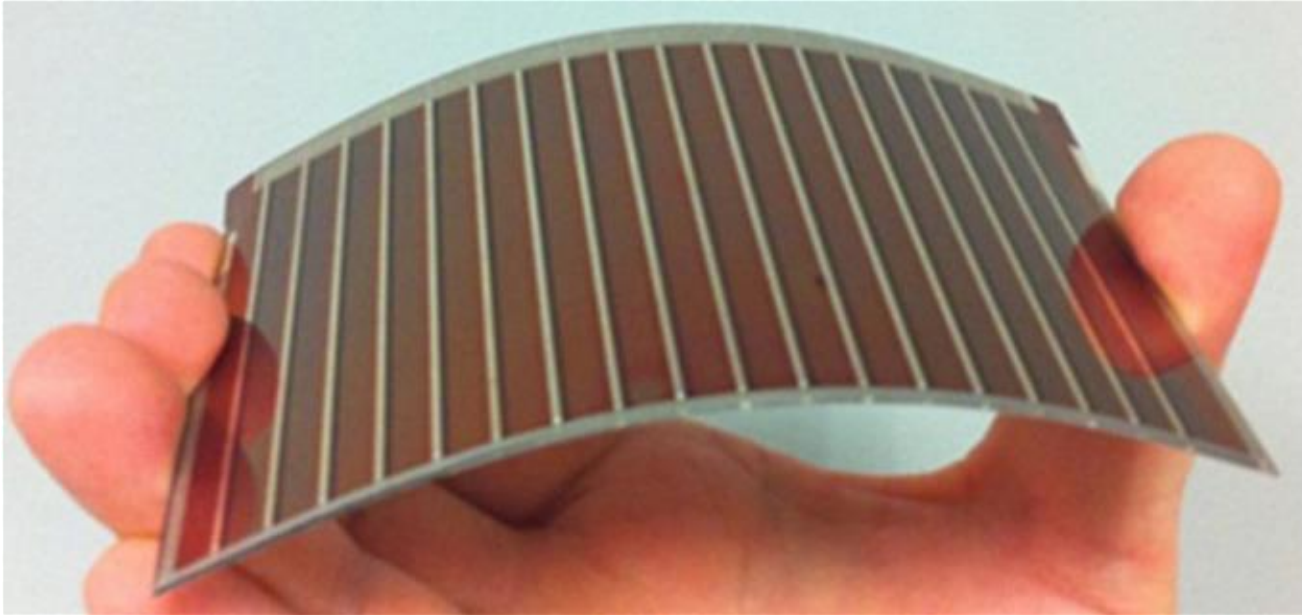
SME 11-50, University, R&D Institution, SME <10, 251-500, SME 51-250

**Type of Partnership Considered**

Manufacturing agreement

## Attachments

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Organic Solar Panel