

## 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.*

<b>Creation Date</b>	03 September 2018
<b>Last Update</b>	02 October 2018
<b>Expiration Date</b>	03 October 2019
<b>Reference</b>	BRTR20180703001
<b>Public Link</b>	<a href="https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/c64d31b1-a33b-46d8-aae3-a8a9365d0ab5">https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/c64d31b1-a33b-46d8-aae3-a8a9365d0ab5</a>

### 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.

The equipment should have a competitive price and a user friendly 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

### Technology

02002002

Coatings

02005002

Laminate

04005005

Solar/Thermal energy

### Market

08003005

Other industrial machinery for textile, paper & other industries

## 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 engineering

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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

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## 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

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## Attachments

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