

Technology Offer

Creasing equipment with digital control

Summary

A Romanian company has developed equipment which can be used in the field of processing printed materials. The equipment is based on the 35x50 cm format creasing function but, with simple adjustments, can also be used to run jaggging or drilling operations. The device has digital control and can store up to 99 operation recipes. Industrial partners, in order to exploit the patent applied for product (license agreement) and to manufacture the creasing equipment on a large scale, are sought for.

Creation Date	21 May 2015
Last Update	04 August 2015
Expiration Date	03 August 2016
Reference	TORO20150521004

Details

Description

A Romanian company has developed a creasing modular equipment with digital control is small sized, able to process a range of offset and digital printing in the 35 x 50 cm format, providing accurate and qualitative operations as well as increased workload, usability and possibility of being used, in the finishing process of prints, as an extension for a wide range of equipments in the printing industry.

The equipment uses a digital control of the creasing process and is able to save repetitive work by increasing productivity and lowering operating costs. The user interface is friendly, special qualification not being required. The digital interface of the creasing equipment has bidirectional communication (RS485), for which there is the possibility to couple multiple serial devices that can perform a complex line of print finishings.

The device has the ability to run upgrade notching and drilling operations.

The device was tested in laboratory conditions at a Romanian research institute, representing the subject of a Romanian patent due to be granted.

Current and Potential Domain of Application: Printing industry

The Romanian company is looking for an SME willing to exploit the patent applied for product (license agreement) and to manufacture the creasing equipment on a large scale.

Advantages and Innovations

- digital control of operations;
- control digital interface friendly for the user;
- the execution element is designed as an interchangeable cartridge, depending on the operation that is intended to be made;
- simple and easy to be manufactured;
- reduced production costs and technological needs.

Stage of Development

Available for demonstration

IPR Status

Patent(s) applied for but not yet granted

Comment Regarding IPR status

Patent applied for at the State Office for Inventions and Trademarks. IP rights on national level - Romania

Profile Origin

Private (in-house) research

Keywords

Technology

02002009	Machine Tools
02002015	Surface treatment (painting, galvano, polishing, CVD, ..)
03009002	Printed Reel Material

Market

03004002	Components testing equipment
08003005	Other industrial machinery for textile, paper & other industries
09004005	Books, cards and other publishing
09004006	Packing products and systems
09004007	Printing and binding

NACE

M.74.9.0	Other professional, scientific and technical activities n.e.c.
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Network Contact

Issuing Partner

NATIONAL INSTITUTE OF RESEARCH AND DEVELOPMENT FOR OPTOELECTRONICS

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

Romania

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: SME
- Specific area of activity of the partner: electronic equipments manufacturing
- Task to be performed by the partner sought:
- the licensee will manufacture (assemble & engineer) the product, with technical consultancy offered by the Romanian company.

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

License agreement
Commercial agreement with technical assistance