

Technology Request

Scottish (UK) SME seeks manufacturer for a 3D/ Warp Knit sports compression sleeve with protective gel under a manufacturing agreement with technical assistance

Summary

An innovative Scottish (UK) based SME who operate in the field of injury recovery are seeking a specialist manufacturer who can take digital designs and make a seamless compression sleeve through 3D/ warp knitting, with an internal pocket to hold a protective gel. The company seeks cooperation under a manufacturing agreement with technical assistance. The SME are initially seeking a minimum order of 200-500 units but the ability to scale up to a larger monthly order is required.

Creation Date	01 August 2018
Last Update	02 August 2018
Expiration Date	03 August 2019
Reference	TRUK20180724001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/9f0a8d97-b05d-4e12-8e95-d0d9a35984b5

Details

Description

The company was founded in Scotland (UK) in June 2017 by a team of medical professionals, centralised around the design of a compression recovery cuff targeted towards high performing amateur athletes, injury recovery, amputees and chronic medical conditions.

Market research has shown an increase in search traffic for “sports recovery” and “muscle recovery” over the last ten years. With over 800million unique searches in the UK alone into key phrases such as “faster recovery in sport”, “muscle recovery” and “how to reduce muscle soreness after exercise”. With that in mind there is a large gap in the market between what is currently available and the items accessible to professional athletes and health care institutions. The SME intends to target this gap in the market.

The SME is seeking a manufacturer who has the ability to take the digital designs and make the seamless compression sleeves through 3D or warp knitting. The cuff has been designed to include an internal pocket for a protective gel, which is similar to silicone. This is to be held in place using heat press/ high frequency press.

Cooperation is envisioned under a manufacturing agreement and the partner must have an understanding of finishing processes for textiles to ensure that the completed item matches the

brief. The company seeks consistency in quality of the output, and therefore a partner who would be open to spot checks and sample batch testing is desired. Expertise in 3D or warp knitting manufacturing processes is essential. The company seeks a partner who can provide technical assistance, by highlighting any issues in the design phase, and suggest any relevant changes which could be made.

Technical Specification or Expertise Sought

The company seeks a partner who can take digital designs and make the seamless compression sleeves through 3D knit or warp knit. The partner must also be able to provide technical assistance by advising on any design alterations that need to be made in order to take the product to market. The partner must be able to produce an internal pocket using high frequency press or heat press to hold the protective gel to custom shapes and design.

Initially working to minimum order quantity of 200-500 units per size and design. Once design has been refined and market testing complete, the partner would need to be able to upscale production to 10,000+ units per month. An ideal lead time of 30-40 days is desired, with an initial cost per unit of €3. As production increases, it is expected that the cost per unit would decrease over time.

Keywords

Technology

03005004	Finisher related to Textiles Technology
03005006	Solvent based glues for strengthening of edges and seam
03005007	Textile fibres
03005008	Weaving related to Textiles Technology
03005009	Woven technical textiles for industrial applications

Market

05003006	Other therapeutic (including defibrillators)
05006	Anatomy, Pathology, Immunology, Physiology
05007007	Other medical/health related (not elsewhere classified)
07001004	Sporting goods, hobby equipment and athletics clothes

NACE

M.74.1.0	Specialised design activities
M.74.9.0	Other professional, scientific and technical activities n.e.c.
Q.86.9.0	Other human health activities
S.96.0.9	Other personal service activities n.e.c.

Open for EOI : **Yes**

Dissemination

Send to Sector Group

Healthcare

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2017

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

A partner working within the field of manufacturing in a factory setting is required. The partner should work predominantly in textiles but an interest in sport and/ or medical items would be desirable. Previous experience with creating supporting braces or compressive clothing would be beneficial, but is not essential.

The SME are looking to work with a forward thinking company, with an ability to find solutions for problems should they arise. The specific tasks required are:

1. Review designs and advise on any alterations that need to be made
2. Input designs to manufacturing computer systems
3. Able to receive materials from China
4. Sample batch manufacture for design refinement
5. Production and assembly with components from China
6. Training of staff on assembly of each item
7. Shipping to the UK warehouse
8. Disposal/recycling of any packaging

Type and Size of Partner Sought

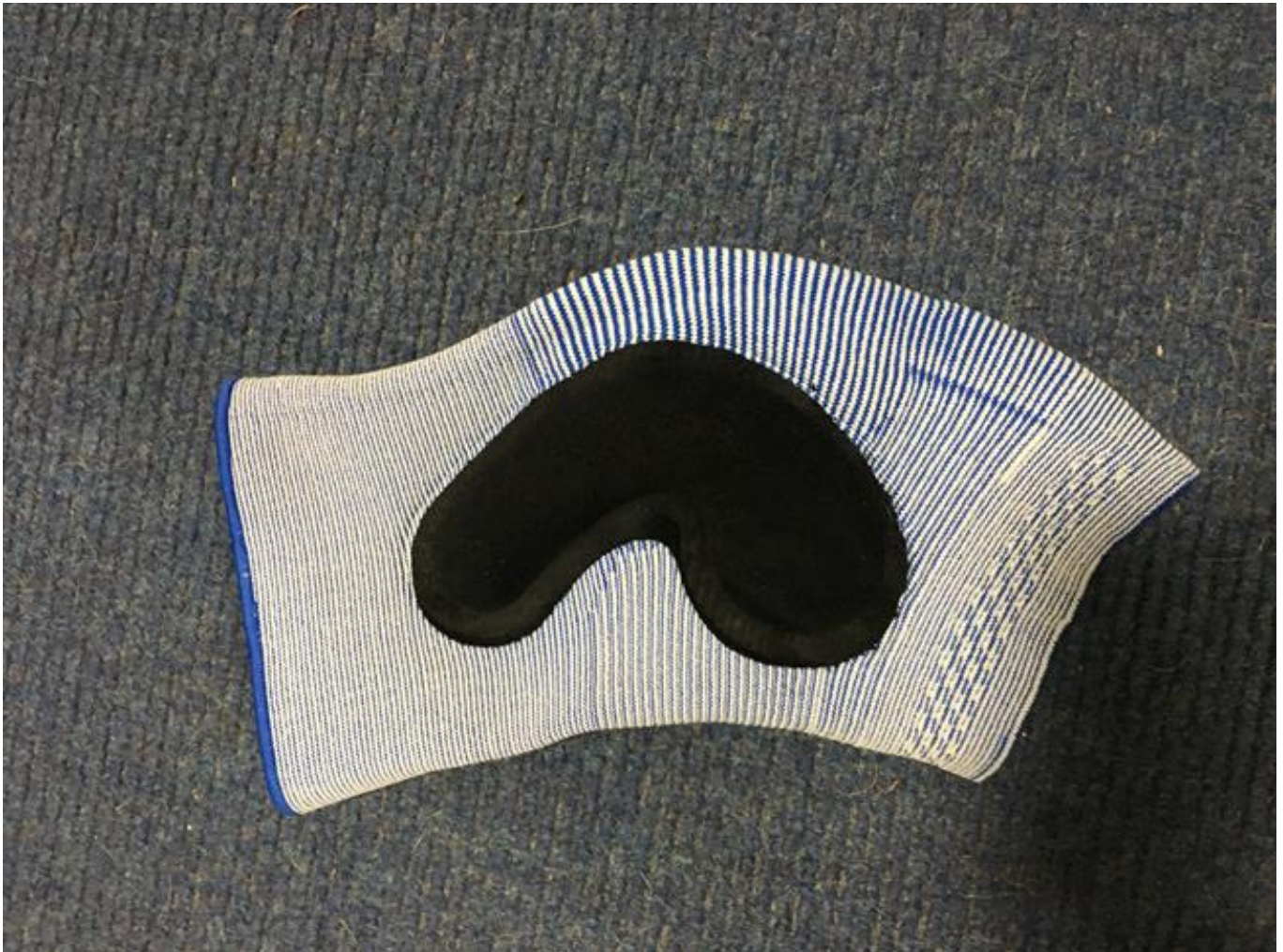
SME 11-50, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Manufacturing agreement
Technical cooperation agreement

Attachments

Picture 5.jpg



Picture 1.JPG



Picture 2.jpg



Picture 3.jpg



Picture 4.JPG

