Technology Request

A Polish company specialized in the production of metal furniture is looking for technology of cutting, punching and bending elements made of metal sheets.

Summary

A Polish company specialized in the production of metal furniture is looking for a technology of sheet metal components production. The sought line should produce workpieces of different shapes and dimensions which at a later stage will be joined by welding. The company is looking for partners for commercial agreement with technical assistance.

Creation Date	25 April 2014
Last Update	16 May 2014
Expiration Date	16 May 2015
Reference	TRPL20140424001

Details

Description

A Polish company specialized in the production of metal furniture is looking for a technology of sheet metal components production. Seeking line should produce workpieces of different shapes and dimensions which at a later stage will be connected by welding. The production process should proceed as follows: 1. Downloading forms from stock (automated warehouse – tower type or another for 250 - 300 forms) a) Forms downloaded directly from the warehouse to the line or from the warehouse to a special buffer 8 - 10 places where forms will go to the line (the solution should be better because of time of production) 2. Cutting out details a) Detail excess putted away into a special buffer, the ability to produce only cut out details 3. Bending of cut out elements (automatic rearming) 4. In order to optimize the process and increase the output - possibility of application of two cutters, benders, etc. 5. Automatic transport to the place of receipt. 6. The ability to integrate future line with automatic welding (robotic assembly station) A company is looking for partners for commercial agreement with technical assistance.

Technical Specification or Expertise Sought

Basic requirements of technology line: 1. Bending length (bending tools) about 2500 mm 2. Bending width about 1250 mm 3. Bending height 600 mm 4. Material thickness of 0.5 to 2.5 mm 5. Material grade: a) Black sheet DC01 b) zinc coated sheet - hot Z100, Z200 c) electrolytic tinplate, ZE50/50, ZE25/25 6. Automatic line rearming 7. Automated process of loading, bending and cutting 8. Programming from the office level 9. High capacity 10. Minimal crew 11. Possibility of expanding in the future, for example: automatic welding process of produced on the line items - details.

Stage of Development

Already on the market

IPR Status

Trade Marks

Keywords

Technology

002002008	Jointing (soldering, welding, sticking)
002002010	Machining (turning, drilling, moulding, milling, planning, cutting)

Market

008003007	Other industrial equipment and machinery

NACE

C.31.0.1	Manufacture of office and shop furniture

Client

Type and Size of Organisation Behind the Profile

Industry 250-499

Year Established

1998

Turnover

10 - 20M

Already Engaged in Trans-National Cooperation

Yes

Certification Standards

Langages Spoken

English

Client Country

Poland

Partner Sought

Type and Role of Partner Sought

A potential partner should have experience in manufacturing of wanted technology. A potential partner should deliver design and realization, assembly, training and launching. Service during the warranty and post-warranty.

Type of Partnership Considered

Commercial agreement with technical assistance

High Temperature Foil / Membrane Required to Laminate to Insulation Materials

Summary

A Scottish materials supplier to multiple industries is seeking a number of high temperature foils or membranes to laminate to their existing range of insulation materials. Ideally any potential solution should be flexible and preferably carry CE marking with independent test data and ISO certification. Commercial agreements with technical assistance, technical cooperation and licensing agreements will be considered.

Creation Date	22 April 2014
Last Update	19 May 2014
Expiration Date	19 May 2015
Reference	TRUK20140422001

Details

Description

The company are looking for a number of high temperature foils or membranes to laminate to our existing range of insulation materials. Ideally any potential solution should be flexible and preferably carry CE marking with independent test data and ISO certification. The company are developing a range of engineered solutions for multiple industries and wish to offer high temperature finishes to our parts.

Technical Specification or Expertise Sought

Max operating temp ranges required a) -30 to 1000 degrees C b) -30 to 700 degrees C c) -30 to 400 degrees C d) -30 to 200 degrees C Width of material 1.5M Length 2.0M+. Thickness less than 0.5mm preferably. Euro Fire Classification A2 or better.

Stage of Development

Already on the market

IPR Status

Secret Know-how

Comment Regarding IPR status

Ideally any potential solution should carry CE marking with independent test data and ISO certification.

Profile Origin

Private (in-house) research

Keywords

Technology

002007002	Building materials
002007005	Composite materials
002007010	Metals and Alloys
002007014	Plastics, Polymers
002007018	Advanced Textile Materials

Market

008001007	Coatings and adhesives manufactures
008001008	Membranes and membrane-based products
008001009	Speciality/performance materials: producers and fabricators
009007008	Manufacture of construction materials, components and systems
009007009	Construction companies

NACE

C.13.9.6	Manufacture of other technical and industrial textiles
C.25.9.9	Manufacture of other fabricated metal products n.e.c.
F.43.2.9	Other construction installation
F.43.9.1	Roofing activities
F.43.9.9	Other specialised construction activities n.e.c.

Dissemination

Restrict Dissemination to Specific Countries

Albania,Republicof,Armenia,Austria,Belgium,BosniaandHerzegovina,Brazil,FederativeRepublicof,Bulgaria,Canada,Chile,China,Croatia,Cyprus,CzechRepublic,Denmark,Egypt,Estonia,Finland,France,Germany,Greece,Hungary,Iceland,India,Republicof,Ireland,Israel,Italy,Japan,Latvia,Lithuania,Luxembourg,Macedonia,TheformerYugoslavRepublicof,Malta,Mexico,Moldova,Montenegro,Morocco,Kingdomof,Netherlands,Norway,Poland,Portugal,Romania,Russia,Serbia,Slovakia,Slovenia,SouthKorea,Spain,Sweden,Switzerland,Tunisia,Turkey,Ukraine,UnitedKingdom,USA,

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Research or Industry - Specific area of activity of the partner: Supplier of high temperature foils or membranes - Task to be performed by the partner sought: To provide samples of their existing high temperature foils and membranes to be tested in new application areas as supplied by the Scottish company,.

Type of Partnership Considered

License agreement
Commercial agreement with technical assistance
Technical cooperation agreement

Maltese company that developed filament winding machinery offers customized industrial glass reinforced plastic [GRP] products and services

Summary

A Maltese SME specialises in manufacturing glass reinforced plastic (GRP) products such as storage tanks, pipe lines and fittings, roof floorings, swimming pool coping and balcony cornices and handrails. This company is offering its technical expertise to industrial partners who require: - Technical assistance in filament winding processes; - Manufacturing expertise during the development of tailor-made projects; - Assistance in developing innovative products.

Creation Date	09 December 2013
Last Update	15 May 2014
Expiration Date	15 May 2015
Reference	13 MT 59AE 3SAI

Details

Description

The Maltese SME has developed filament winding machines that it uses to produce GRP products in-house. It has expertise in hand lay-up and filament winding for a range of industrial products. The company is capable of producing the following industrial products from GRP: - water, chemical and mixing tanks of sizes varying from 300-70,000 litres for the chemical and pharmaceutical industries; – oval tanks to be mounted on chassis to transport water and square cylinders with round corners; - overground and underground pipes of 100-3000mm diameter; - pipe fittings (such as manifolds, cartridge filters, flanges, elbows, T-joints) of 110mm-3500mm diameter. Its particular advantage over its competitors is that it has been involved in a number of tailor-made projects designed specifically for particular needs. Projects have included GRP products for: - sewage treatment plants; - reverse osmosis plants; - power stations. Other GRP products developed for the hospitality industry include: - bore hole casings; - flag poles and electrical poles; - prefabricated swimming pools for hotels; - ceiling panels, soffits, roof hoods, canopies and cornices; - prefabricated planters; - prefabricated kiosks for electrical panels. The company is continuously developing and testing out innovative products. It recently launched a range of innovative products including: - durable and resistant pool coping of 20-28cm width and 60cm length in a range of colours; - handrails cast out of GRP; - grating ranging from 1007-1220mm length, 2000-4007mm width, 25-50mm thick During the past 40 years, the company has generated a vast amount of knowledge and know-how in the area of filament winding and fiberglass. Thus, it is offering its expertise to others - who require know-how on filament winding; - who require specific tailor-made projects out of GRP; - who are interested in forwarding innovative ideas to be developed jointly together; - who would like to test new

applications such as in changing the material of existing products made from other materials but which could benefit from the advantages that are offered by the properties offered by this light, cheap, non-corrosive, durable, stiff composite. Current and Potential Domain of Application:

Advantages and Innovations

- Designs can be sent over or else project can initiate from a basic idea and design developed in-house - Solutions can be tailor made to the users' needs with designs and moulds being developed in-house and adapted to the specific needs and specifications - Different product applications can be catered for: including marine, corrosive, overground, underground - Small and medium volumes can be catered for.

Technical Specification or Expertise Sought

•Different types of resins are used including: orthophtalic (for marine applications), isophthalic (for chemical environments), vinyl ester (for corrsovie environments) and phenolic aldehyde (for fire resistant applications) •Different types of fibres are used including:E-type and P-type chopped mat, Powder Bonded GRP; Emulsion Bonded GRP; Woven Rovings 300g to 800g, Rovings for Filament Winding from 1200 to 2400TEX •Products can be produced from different colours although standard colours are grey, green and yellow

Stage of Development

Already on the market

IPR Status

Secret Know-how

Profile Origin

Other

Keywords

Technology

002002	Industrial Manufacture
003005009	Woven technical textiles for industrial applications

Market

007005003	Hotels and resorts
008001005	Other fabricated plastics
008001006	Processes for working with plastics
008001018	Polymer (plastics) materials
009008002	Water, sewerage, chemical and solid waste treatment plants

NACE

C.32.9.9	Other manufacturing n.e.c.

Dissemination

Restrict Dissemination to Specific Countries

Ireland,LibyanArabJamahiriya,

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
Italian

Client Country

Malta

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Companies requiring technical guidance on filament winding and development of filament winding machines; Pumping and wastewater treatment plants/large establishments that require GRP tailor-made products designed to particular specifications; Manufacturing companies already involved in manufacturing of GRP products to develop new innovative products jointly. - Specific area of activity of the partner: Industrial sewage treatment Water treatment Manufacturing industry – chemical, pharmaceutical Petroleum stations Hotels - Task to be performed by the partner sought: Partner should: Have new project ideas to develop innovative designs and products together; Bring volumes of GRP products for its clients; Require technical expertise in GRP processing and/or materials and/or designs.

Type of Partnership Considered

Manufacturing agreement
Commercial agreement with technical assistance
Technical cooperation agreement