

Technology and know-how partnership for robotic and laser welding in metal construction

Summary

Profile type

Technology request

Company's country

Moldova

POD reference

TRMD20261007028

Profile status

PUBLISHED

Type of partnership

Commercial agreement with technical assistance
Research and development cooperation agreement

Targeted countries

• All countries

Contact Person

[**Enrico FRANZIN**](#)

Term of validity

8 Oct 2026
8 Oct 2027

Last update

8 Oct 2026

General Information

Short summary

A Moldovan manufacturer and installer of metal construction systems, seeks an international technology partner to introduce robotic and laser welding technologies. The company aims to expand its production capabilities, adapt proven European technologies to customer requirements, and develop know-how through joint technology development, equipment integration and staff training.

Full description

A Moldovan manufacturer and installer active in metal construction, piping systems, construction structures, skids, electrical systems, installation and maintenance services, and welding. Founded in 2014, the company has experience in international projects and cooperation with partners in Italy and Romania.

The company intends to expand its production capabilities and offer a wider range of metal construction services, with a particular focus on robotic welding and laser welding. The objective is not to develop a completely new scientific technology, but to identify, adapt and implement existing technologies to the company's production processes and customer requirements.

The planned development should include the acquisition and integration of new equipment, automation and robotic solutions, modern welding technologies, process adaptation and staff training. The company is looking for a technology or equipment manufacturer, or a combination of complementary partners, able to work jointly with the company on technology adaptation, provide technical know-how and train personnel.

The expected outcome is increased production flexibility and capability, a broader range of metal structures and components that can be manufactured, improved automation of welding operations, and the ability to undertake more complex international projects. The cooperation and preparatory activities are expected to start within the next six months.

Advantages and innovations

The proposed development would allow to combine its existing metalworking and welding experience with established robotic and laser welding technologies. The main expected advantages are increased production flexibility, access to modern automated welding processes, improved ability to manufacture more complex metal structures, and the possibility of adapting technology to individual customer requirements.

The company already operates a range of metalworking equipment, including laser cutting, plasma cutting, sheet-metal bending, rolling, drilling, band sawing, welding equipment, an overhead crane, electric forklift and compressor. The new technologies would complement these existing capabilities rather than replace them.

The company is seeking practical technology transfer, joint adaptation of proven solutions and personnel training, with the aim of creating a sustainable in-house capability for more advanced metal construction projects.

Technical specification or expertise sought

The company is looking for expertise in robotic welding, laser welding, welding automation, robotic cell integration, welding process optimisation and the adaptation of existing technologies to metal construction production. The partner should be able to advise on suitable equipment, system configuration, integration with existing production processes, commissioning and staff training. Experience in industrial metal construction and welding applications is desirable.

Stage of development

Already on the market

Sustainable Development goals

- **Goal 17: Partnerships to achieve the Goal**
- **Goal 12: Responsible Consumption and Production**
- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 8: Decent Work and Economic Growth**

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

The partner sought should be a manufacturer or technology provider of robotic and/or laser welding equipment, or a combination of complementary technology partners. The partner is expected to cooperate with the Moldovan company in selecting and adapting suitable technologies, defining the technical solution, integrating new equipment into the production environment, transferring practical know-how and training of the personnel of the company.

The cooperation should focus on adapting proven technologies to the Moldovan company production needs and customer requirements. The partner may also support testing, commissioning, process optimisation and initial implementation. The desired result is a long-term technology cooperation that enables the Moldovan company to develop an expanded and more automated metal construction production capability.

Type of partnership

Commercial agreement with technical assistance
Research and development cooperation agreement

Type and size of the partner

- **University**
- **R&D Institution**
- **Big company**
- **SME 50 - 249**

Dissemination

Technology keywords

- **02007011 - Non-ferrous Metals**
- **02007010 - Metals and Alloys**
- **02007008 - Iron and Steel, Steelworks**

Market keywords

- **08001012 - Speciality metals (including processes for working with metals)**
- **08003007 - Other industrial equipment and machinery**
- **08003005 - Other industrial machinery for textile, paper & other industries**

Targeted countries

- All countries

Sector groups involved

Media

Images



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