



Interreg V-A Hungary-Croatia Co-operation Program 2014-2020

Reference number: HUHR / 1501

Project title: "METAL IS OUR PASSION - 'T' straight line"

Project partners: ZGR Kovačić (Croatia); Zeus Exhausts Kft. (Hungary)

[\(http://www.zeusmetal.hu/\)](http://www.zeusmetal.hu/)

Project duration: 01.05.2019-31.10.2020

Total value: 320,300.79 EUR

Amount co-financed by the EU (75%): EUR 240,225.59

Project goal: The two partners recognized the need to collaborate and provide something new in the furniture market. In a joint project, a new product 'T straight line' was developed, which is a special metal profile used in the production of furniture, made by the partner ZEUS Kft. The cooperation goes in the direction that ZGR KOVAČIĆ will chrome the resulting product using a new technology, and the technology of trivalent chrome plating itself is a novelty on the Croatian market. In this way, the partners will develop the product, and in the future it will be an indispensable element in the production of solid wood furniture. In the furniture industry, great importance is attached to design, because products must be in line with real "fashion trends" and must have the maximum possible quality. The straight line "T" is an element that strengthens and can eliminate deformations of table surfaces of 2-3 m² of solid wood. By installing a straight line "T", the table will retain its original factory parameters and aesthetic appearance in all climate zones and at different humidity levels.

Project activities: For serial production of 'T' the product must be based on further technological development and the purchase of various equipment for each project partner. Thus, ZEUS EXHAUSTS Kft. will purchase several machines for a new hall made for this project, and ZGR KOVAČIĆ will change the existing technology based on the best available chrome plating method (BAT), which is a new generation of trivalent chromium process.

The result of the new technology is an increase in the aesthetics of the product itself. In terms of production, air pollution will be reduced, and the amount of hexavalent chromium in wastewater will comply with the requirements of the water permit, ie it will completely disappear because the new technology is based on trivalent chromium and will meet the claims of the European Chemicals Agency (ECHA) which proposes its decommissioning by 2024. The proposed innovations will facilitate the electrolytic process, save electricity, reduce waste disposal costs and reduce pollutant emissions in the work environment, thus providing employees with a safer workplace.

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Link: <http://www.huhr-cbc.com/hr/>