

SAFER PRODUCTION OF PLASTIC PARTS



Poliform doo was founded in 1992 and is active in metal processing (cutting parts such as shafts, reducers, gears, etc.) and thermoplastic processing. The processes are organized in two production units. The company successfully sells its products on the domestic market but also abroad (Belgium).

The company invested in the purchase and installation of a modern plastic injection molding machine, as well as a robot, introducing the automatic operation of the injection molding machine.

The new plastic machine improves the production quality, primarily through better product geometry. In addition, the new equipment enable sfaster work, practically eliminating production stops and minimizing material and output waste. Last but not least, the new machine uses less energy and reduces the company's carbon footprint.

With this investment, the company has taken the first step toward digitalization of its processes. However, importantly the use of robots in the operation of the injection molding machine has vastly reduced the possibility of injuries ensuring that employees can work in a healthy and safe environment.

The new investment has also enhanced the company's export potential. The new machine meets the requirements of several EU directives, expanding the company's export opportunities to EU markets. The relevant directives include:

- Directive 2006/42/EC on machinery and amending Directive 95/16/EC (recast).
- Directive 2014/30/EU on the harmonization of the laws of the Member States relating to electromagnetic compatibility (recast) Text with EEA relevance
- Directive 2014/35/EU relating to the making available on the market of electrical equipment designed for use within certain voltage limits.

The company used the simple LET process, which is a fast-track access to financing investments by picking pre-approved equipment from a list of eligible technologies. After the successful verification of its investment project, the company received a 15% grant cash-back, funded by the European Union.

Loan Amount	€ 135,000
Grant amount	€ 20,250
EU Directives met	EU Directives on machinery, electromagnetic compliance and voltage limits
Invested in	plastic injection molding machine and robot for automated operation
Energy Savings and GHG reduction	7 MWh/year 2 t CO ₂ /year

Implementation Consultants

