



# TREPEL PELBO S.p.A

Case Study:



ITALIAN COMPANY  
PELBO S.p.A TRUSTS IN  
LANTEK TECHNOLOGY  
TO REDUCE ERRORS  
AND INCREASE  
PRODUCTIVITY

Dedication to technical innovation and total commitment to the customer. These are the values of the Italian company Pelbo S.p.A., a leader in the production of machines for the egg product food industry, which has placed its trust in Lantek technology in order to achieve lower manufacturing error rates and the advantage of improved productivity and efficiency, in addition to saving time and optimizing resources.



## Case Study

**Marcello Manzutto**

Pelbo Technician:

**"The main benefit from using the Lantek program is probably the possibility of always having the designs up to date thanks to the completely automated process for sending the 3D design of Inventor to the cutting machine."**



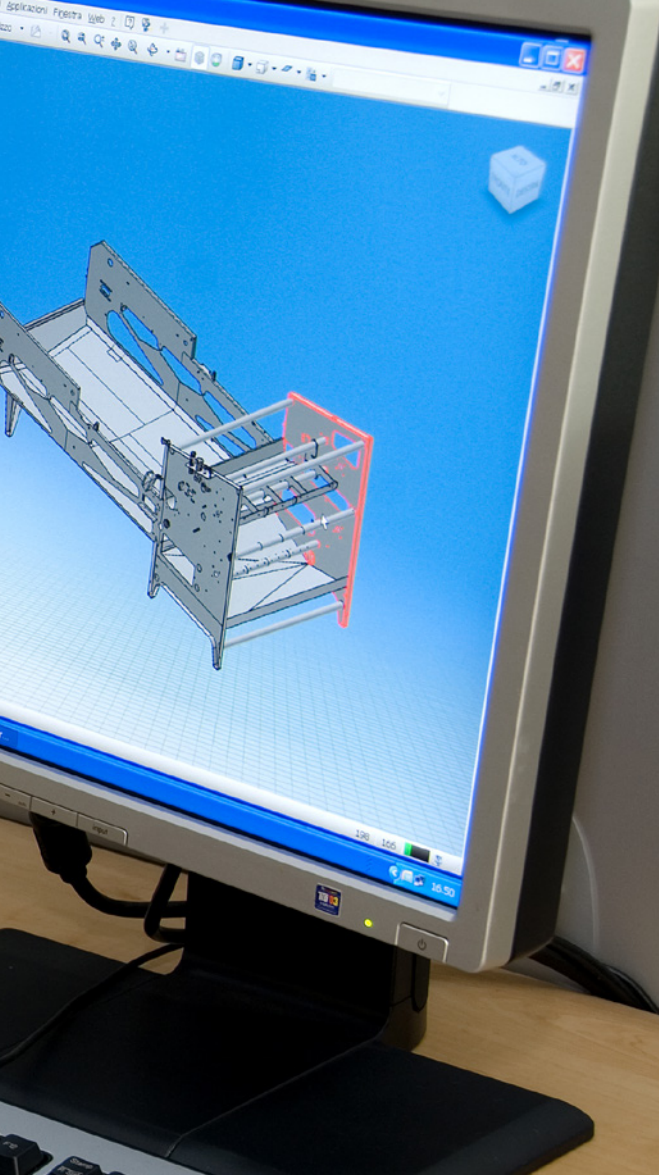
Founded in the early 1980s by Giorgio Pellegrinelli, the company is located in Brugherio, in northern Italy. After many years of tests and research, in 1982 Pelbo S.p.A registered its first patent. It represented an extraordinary revolution and innovation in the egg processing industry, as with the manufacture of the first egg breaker based on the concept of parallel lines with a capacity of 54,000 eggs/hour. Pelbo S.p.A surpassed, in both capacity and final product quality, all the machines of the period, which were limited to a capacity of 36,000 eggs/hour.

The competitive advantages of Pelbo S.p.A are its research and innovation and its dedication to its customers: a tradition spanning more than 25 years that, with the continuous desire to improve the product in response to the market's needs, are the foundation of its current success worldwide.

Optimal results in the egg processing industry not only depend on the machinery, but also on the application of experience and on the technological knowledge in the field of food processing. Pelbo S.p.A. has its own research center that continuously explores new possibilities and opportunities, with the aim of developing increasingly efficient production processes.

A few years ago, Pelbo S.p.A decided to initiate a collaboration with Lantek, the current global leader in the development and commercialization of software solutions for the metalworking industry. Once in possession of the Lantek Expert Cut Laser software for the management of laser cutting, Pelbo S.p.A. has updated and implemented the new solutions proposed by Lantek to integrate CAD 3D in CAM Lantek, by means of the Lantek Flex3d module and Lantek Manager, as a way to significantly reduce nesting times through the direct transfer from the assemblies and from the unfolded sheet.





The challenge facing Lantek was to guarantee Pelbo S.p.A. higher efficiency and a reduction of errors in the management of laser cutting. Thanks to the joint effort of the two companies, after a careful analysis and assessment, Pelbo S.p.A. has been able to improve and automate the transfer from 3D design to laser cutting, with a significant reduction of time and costs.

Once the planning by the Pelbo technicians was carried out, along with the various components, the sheet metal is transferred directly from CAD 3D to CAM Lantek, which takes care of general unfolded layouts and the creation of the various 2D components necessary for the nesting, without the need for importing DXF/DWG files. Thus, the different sheet metal characteristics from the different layouts/customers arrive inside the Lantek Manager software, sub-divided by materials and thicknesses, all for the convenience of the operator, who must generate the nestings and reduce rejects to a minimum by automatically optimizing the various formats and sheet cuttings.

The continuous desire to improve products, in response to the needs of the market, brings the company from Brugherio to seek to optimize. Thanks to the active collaboration with Lantek, the various problems that arise on a day-to-day basis in its work are solved while reducing errors and increasing the productivity of the company.



## FACT SHEET

COMPANY NAME	Pelbo S.p.A.
ACTIVITY/INDUSTRIAL SECTOR	Total solutions for egg processing industry
LANTEK SOLUTIONS	CAD/CAM 2D CAM 3D Workshop management Integration with Autodesk Inventor DXF importer Time and costs exporter
LICENSES	3 Lantek Expert 2 Lantek Manager 1 Lantek Flex3d Bending 3 Lantek Flex3d Inventor
MACHINES	1 LVD laser