

## CASE STUDY - **ROBOBEND**

*"How a robotic arm combining with a pressbrake contributed to a production volume raise of Normal in Poland"*

### **The problem**

The story of Normal company dates back to 1982. It deals with the production activity of a wide range of products related to industrial applications and specialized in the manufacture of materials in the energy industry

The company has a well-equipped machine factory consisting of conventional machinery and the latest CNC technology machine tools. Further to this, the quality of products is ensured by highly trained staff and ISO 9001 quality management system: 2015.



*"RoboBend is a truly flexible system. When the amount of pieces is large, we feed the robot, and that works for us. When the amount is small or we want to test a new product, we operate the press brake manually. In this case the robot remains in an Emergency Stop state at the parking spot, allowing us to use the entire length of the press brake machine." the operators say.*

### **The solution**

In January 2019, Normal's company proceeded to upscale the lamination configuration equipment in order to develop the production process and maintain a high constant quality of their products. Therefore, Gizelis, is among the top companies worldwide, makes a distinction with a dominant solution, as Normal investing in the flexible system of the RoboBend robotic cell, which can function manually as a CNC press brake and as a fully autonomous robotic cell.

This system, that meeting all European CE safety standards, is capable of operating at maximum speed with maximum security, launching productivity without quality cuts. Consisting of a G-TURBOBEND, one of the fastest press brake machine and GP7 Yaskawa's robotic arm, the fastest also in its class.



*The production manager pointed out "An autonomous robotic system like RoboBend is significantly efficient, because it can work 24/7 while the factory works only 1 shift, 5 days per week. Based on the training, our operators received by Gizelis's specialized staff, they are able to create new programs on the robot in their shift and work until the next day."*



## Result

Such an installation of this modern and efficient system has drastically improved Normal's productivity process.

Specifically, the factory director, is fully satisfied by this cooperation with Gizelis team, affirming at the same time that he surely will invest to merchandise more machinery equipment from Gizelis company in the near future, as the depreciation of this investment was a determinant factor.

