Nässjö Plåtprodukter AB

https://www.npp.se/

Founded in 1992, NPP develops and manufactures customized housings, electrical cabinets, and machine covers to protect sensitive equipment and technical systems. Every solution is custom-designed and delivered as complete as possible, so that it can immediately be implemented in the customer's assembly process. NPP is based in Nässjö, Sweden, and employs approximately 40 people; including its subsidiary QPC that specializes in powder coating, this number increases to about 65. The company supplies customers in Sweden and several international markets.

INDUSTRY

Industrial manufacturing

NUMBER OF EMPLOYEES

40

SITE

Nässjö, Sweden

TRUMPF PRODUCTS

- TruMatic 7000
- TruPunch 5000
- TruBend Cell 5000
- TruBend 5130
- TruBend 7036 & TruBend 5170 with Starmatik

APPLICATIONS

- Housing

Challenges

NPP operates in a production environment characterized by diversity. Most products are custom-made, and lot sizes are typically small to medium. This puts pressure on both the machines and workflows. The ability to switch quickly between orders is just as important as maintaining consistent quality. When it came to bending, NPP saw an opportunity to expand. The aim was clear: to increase automation while improving flexibility and predictability, and simplifying the management processes across many recurring product variants. At the same time, the company faces the same challenge as the rest of the sector – access to a skilled workforce. Automation is not about replacing people, but rather about boosting production and making better use of existing expertise.

"Automation takes us a step further, but it doesn't get us all the way there. We still need people who can operate these machines. But it helps us to secure capacity and work more efficiently in a market where it is becoming increasingly difficult to find the right skilled workers."

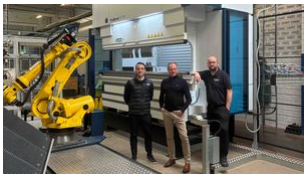
PETER SVENSSON
CEO OF NPP

Solutions

In collaboration with TRUMPF, NPP developed a solution tailored to the realities of production that combines a high degree of automation with the flexibility required for a highly varied workflow. At the heart of the system is a TruBend 5170, which is integrated with an automated system from Starmatik. The set-up enables offline programming, automatic tool changes, automatic gripper changes, and integrated angle measurement. However, for NPP, the solution was about more than just functions. The aim was to have a partner who could take full responsibility for the entire set-up – from concept and configuration through to installation, commissioning and ongoing support.

Implementation

The solution combines a TruBend 5170 with a customized production cell from Starmatik, designed specifically for the production and layout of NPP. It was designed for daily operations and supports the efficient handling of multiple product variants with high levels of precision and short setup times. Offline programming enables new orders to be prepared while production is underway, thus reducing downtimes and improving overall efficiency.



Forecast

For NPP, the investment is part of a long-term strategy. With its modern machinery, the company is well-positioned to further increase efficiency while maintaining the flexibility required for customized

production. At the same time, the demand for automation is expected to rise due to the increasing variety of products and ongoing difficulty to find qualified personnel.
A service contract that was recently signed will also play an important role in the future. Such contracts enable scheduled maintenance and better cost control, thus helping to ensure high machine availability during critical production phases, reducing the risk of unplanned downtimes, and supporting reliable delivery performance. Building on a long-standing partnership, NPP sees clear advantages in developing its production in collaboration with TRUMPF. “We will continue to invest in new machines, and TRUMPF is well-positioned for this,” explains Peter Svensson, CEO of NPP.

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