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**Alu-Point uses an automated Saw Guide from euroTECH**Reduced production time have considerably boosted productivity.

**Alu-Point, a company based just south of Hannover, has successfully lowered its production time and achieved a considerable boost in productivity thanks to an automated Saw Guide from euroTECH Vertriebs GmbH. The new system simplifies the loading process of the dividing saws. Thorsten Otte (Managing Director) is very pleased with the outcome.**

Alu-Point is a medium-sized enterprise from Harsum, a municipality between Hannover and Hildesheim in Lower Saxony. Managing Director Thorsten Otte commented: ‘With our own warehouse and logistics department, we have been providing expert consultancy and precise processing services in the fields of aluminium, non-ferrous metal, stainless steel and technical plastic. We offer both machining and forming processes. Customer support, reliability and punctuality are the principles that guide our daily business’. Besides the traditional sectors of mechanical engineering, tool manufacture and mould construction, Alu-Point serves automotive and aerospace suppliers. Its clients also include the furniture and wood industry, the automation and packaging machines sector and producers of measurement and medical technologies. Alu-Point uses state-of-the-art saws to cut its materials with extremely narrow tolerances to meet its clients’ needs precisely. The company recently found itself in need of a provider who could supply an individual solution to automate its Saw Guide process and increase its overall production speed. ‘We wanted to use a loading system that would automate our Saw Guide process to save us time and ramp up our productivity’.

Its search led Alu-Point to the Swabian company euroTECH Vertriebs GmbH in Geislingen. euroTECH offers integrated handling and transport solutions in the field of vacuum technology and develops customer-specific vacuum systems and components for automated handling tasks. Its product portfolio includes vacuum components, vacuum lifting devices, vacuum suction boxes, vacuum robot equipment and testing devices. A highly efficient team of design engineers and technicians work closely with the company’s customers in developing proposals. It supervises the entire production process from the initial design to the final handover.

Automating the loading and unloading of machining lines bring many advantages: they protect the health of their operators and ensure high quality and efficiency. Alu-Point asked for a solution that would automate the loading of its two Schelling single-axis saws. The new system would need to be able to handle the company’s extensive product portfolio with a single machine. It would also have to be able to handle a wide variety of panels weighing up to 1.3 tonnes without any difficulty with the various formats. The panels would have to be transported securely over a distance of more than 20 metres and the controls of the loading system should be uncomplicated.

euroTECH’s result is a loading system that can control three positions within the sawing area from the output area. The 22-metre portal runs along the back of the saw, loading it with panels made from a wide range of materials (aluminium, non-ferrous metals, technical plastics) from the rear end.

The saw uses the profibus system to request the material, while the computerised portal monitors all requirements. A high-powered vacuum unit controls the mechanical intake system, which prevents surface damage to the panels. An integrated separating unit ensures smooth operations and increases production security. Thorsten Otte emphasised: ‘We at Alu-Point especially liked that euroTECH were always easy to reach and that there was always a member of their service team on site. Our collaboration produced good results very quickly. Our employees and I are very pleased with the outcome’.

Characters: 3.892

Company profile:

*euroTECH offers handling and transport solutions in the field of vacuum technology. The company develops customer-specific vacuum systems and components for automated handling tasks. Thanks to the euroTECH modular construction system, the components can be flexibly adjusted to meet individual customer requirements and spare parts can be installed in a quick and cost-saving manner.*

**Image attachment**:

Image 1: The product is taken up at the loading site

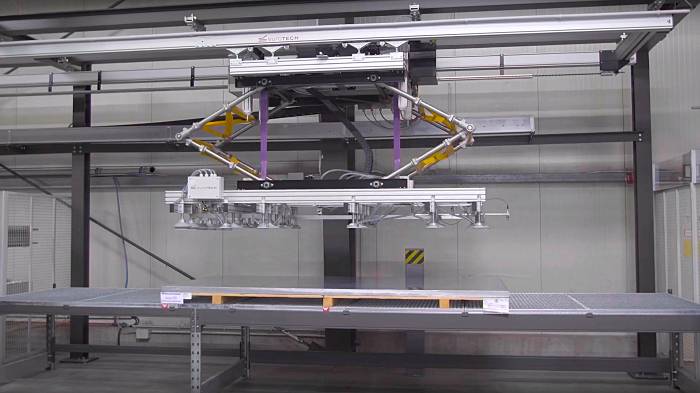


Image 2: The product is deposited in the Saw Guide unit



Image 3: Control panel with a communication interface between the saw and the vacuum portal

