



TOPIC "PROSYS MEETS 5-AXIS"

## Anderson Europe implements 5-axis simultaneous processing for micro and macro-machining

Compared to mere 3-axis machining, 5-axis simultaneous processing makes it possible to fabricate more complex components in an increasingly demanding production environment.

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**Anderson Europe** delivers a dynamic swivel and rotation axis developed in-house with rotative direct drives in the gantry design. It is ideal for meeting the highest requirements in the complex processing of free-form surfaces and for five-sided machining.

Due to increasing demand for flexibility in the exacting fabrication of components with various geometries, many companies are facing the challenge of optimising production flows so that existing resources are utilised as fully as possible and error sources are minimised or eliminated entirely.

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## FEATURES

- ✓ **Dynamic swivel and rotation axis developed in-house - ideal for meeting the highest requirements.**
- ✓ **Optimization of production flows and utilising existing resources as fully as possible.**
- ✓ **For micro and macro-machining of precision mechanic components thanks to the option "5-axis simultaneous processing".**
- ✓ **Achieving highest surface qualities and accuracies due to direct drive technology in all.**

Anderson Europe GmbH has responded to customer demand quickly and implemented this innovative solution.

With the new **ProSys** including the "5-axis simultaneous processing" option, Anderson Europe continues to establish itself in the field of micro and macro-machining for precision mechanic components. Using the direct drive technology for all axes makes it possible to achieve the highest surface qualities and accuracies, even with minimal traverse paths. This technology minimises thermal expansion and breakaway torques that can negatively influence processing. Various materials from carbide to aluminium to plastics and composites can therefore be machined in an optimised process.

In cooperation with **wbt automation** based in Spaichingen, a standardised docking station for the adaptation of a mobile robot cell for the handling of work pieces and/or tools has been integrated as well. This supports the rising demand for the increased automation of machining processes. Thanks to its mobility, the flexible cell "**flextray**" can be deployed quickly with process reliability and reproducibility. This type of automation is also individually adaptable to the customer's processes.

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Five-axis ProSys ADV  
with mobile robot cell from  
**wbt automation**



**wbt automation**

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