



Press Information

April 10, 2018

QUINTUS® High-Pressure Fluid Cell Press Takes Metal Forming to Next Level at Trestad Laser

Complex shapes, short lead times, and reduced costs spur investment in high-pressure forming system

Västerås, Sweden, 10 April 2018 – The Swedish firm Trestad Laser AB, a subcontractor supplying sheet metal components to GKN Aerospace and Siemens Industrial Turbomachinery, among others, will expand capacity with the acquisition of a state-of-the-art High-Pressure Fluid Cell Press from [Quintus Technologies](#) in Västerås, Sweden.

The investment in the Quintus Fluid Cell Press is driven by Trestad Laser's growth strategy, a high priority for the second generation of the Andersson family, which owns and manages the company. Along with offering advanced laser cutting, welding, machining, and milling, by adding the new press [Trestad Laser](#) takes its metal forming capabilities to the next level, enabling the production of sheet metal components with complex geometries in materials that are challenging to form. The Quintus technology is particularly suitable for small series production.

"The decision to invest in a Quintus press really takes us back to our roots," says Trestad Laser founder Jan Andersson, who, while retired, remains active on the board. "Several years ago, I took over the Quintus press operations from Volvo Flygmotor, which now is GKN Aerospace, and continued the business within Trestad Svets, today Siemens Industrial Turbomachinery."

Notes Per Andersson, who, together with brothers Patrick, Peter, and Magnus, oversees the company today, "We started out with welding and shaping, and the business has been focused on laser for years, but our assessment is that demand for shaped details will increase. That is why we have chosen to invest

Quintus Technologies specializes in the design, manufacture, installation, and support of high pressure systems for sheet metal forming and densification of advanced materials and critical industrial components. Headquartered in Västerås, Sweden, and represented in 35 countries worldwide, the company is the world leader in high pressure technology and has delivered more than 1,800 systems to customers across the globe within industries such as aerospace, automotive, energy, and medical implants.



in modern high-pressure equipment from Quintus. Our customers often demand complex and unique components made of materials that are hard to form, in relatively short series, and with high demand for short delivery times. The Quintus technology is well suited to meet those requirements.

“The investment also allows us to certify the company according to AS9100, the international standard which the aviation industry requires from its subcontractors,” he continues. “Our assessment is that the certification will have several positive side effects in other areas of our business.”

The QFM 1.1-800 Quintus [fluid cell press](#) applies a forming pressure of 800 bar, corresponding to 8,000 tons, distributed over a forming area of 1100 mm (43 inches). The press will be put into operation at Trestad’s plant in Trollhättan, Sweden, during early summer 2018. The [unique Quintus process](#) requires only one rigid tool half, while the other tool half is replaced by a flexible rubber diaphragm under uniform hydrostatic pressure. This design approach generates significant tool cost savings and shortens the time needed for tool production.

“The order from Trestad Laser is important to us in several respects,” says Jan Söderström”, CEO of Quintus Technologies. “Trestad's strong connection to turbine production for stationary gas turbines, as well as for jet engines, gives us an influential technology reference at home. In addition to the equipment, the delivery also includes a long-term cooperation agreement, where both parties can benefit from each other. Quintus contributes with its many years of experience in formation and tooling, as well as a robust global network within the aviation industry. Trestad Laser is recognized as an effective and results-oriented company that knows how to proceed from an idea into a production solution that fits the market. For us Trestad Laser is an ideal reference,” Söderström concludes.

About Quintus Technologies

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automotive, energy, and medical implants. Read more about Quintus Technologies: www.quintustechnologies.com

About Trestad Laser

Based in Trollhättan, Sweden, Trestad Laser AB works with products that have exacting demands for precision, shape stability, and resistance to high temperatures, pressure, and chemical and mechanical wear. Since its start in 1972, the company has been guided by the conviction that continuous improvements of both systems and processes are essential to secure high quality and good relationships with customers and suppliers over time. Trestad's goal is to be its customers' number-one partner, exceeding expectations and consistently maintaining high quality throughout the entire business process. Read more about Trestad Laser at www.trestadlaser.se.

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Caption for photo below:

With the installation of a QUINTUS fluid cell press, Sweden's Trestad Laser expands its metal forming capabilities to include the production of sheet metal components with complex geometries in materials that are challenging to form. (Photo courtesy of Quintus Technologies)

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