

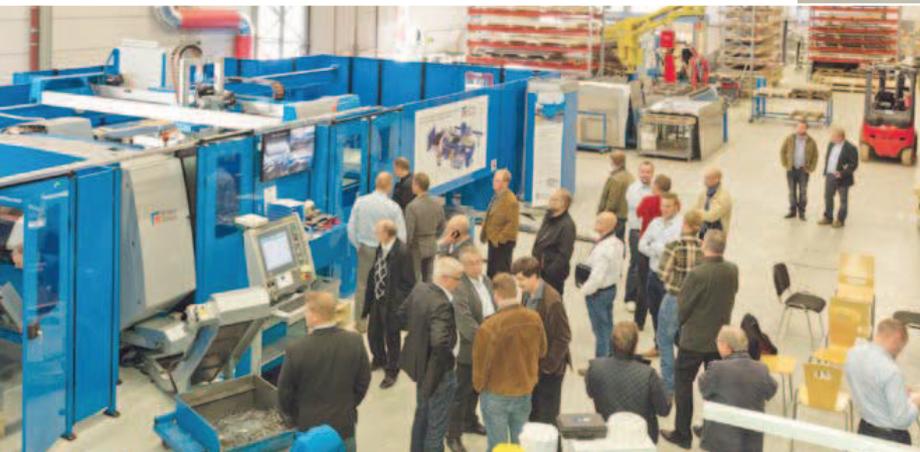
Halton Marine Hosts Prima Power Customer Day in Finland

A group of 30 Finnish Prima Power customers recently had an interesting opportunity to visit Halton Marine, a Finnish ventilation technology company that has systematically acquired the latest sheet metal fabrication equipment to meet the requirements of producing high-end products.

Prima Power and Halton have a long and successful history together. In the summer of 2014, this relationship reached a new milestone when Halton Marine Oy, Lahti, Finland, invested in a Prima Power Combi laser machine LPe6f (combined punching and fiber laser cutting), equipped with an LSR loading and stacking robot. During the



Pekka Kyllönen (from Halton Marine) gave a tour around the Halton Marine factory.



The guests were able to see the Combi laser machine, LPe6f+LSR, in action.

equipment search process, one of the main criteria was the flexibility of the machine, especially when the size of the production batch varies from one part to hundreds of parts. Due to the strict quality and safety criteria of Halton products, the machine would also have to be very accurate and efficient. The answer to all these requirements was a Prima Power laser punch. The LPe6f provides a high level of automation and a wide range of forming properties, which were also assessed as important criteria when purchasing the solution.

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“Halton Marine, which is a part of Halton Group, has big growth targets for the next five years, and in order to achieve them we need to make investments in the production facilities that support the goals set for the business area in the best possible way,” explains Anu Nyman, SBU Lahti director at Halton Marine Oy. “Only if the production logistics are working smoothly with no problems from start to finish, can we provide our customers with high-quality end products, which also have a good price/quality ratio. With this new investment, we aim to ensure that none of the work stages of the production is going to cause a bottleneck. The decision to invest in a Prima Power Combi laser has proved to be right, as the machine has already achieved the goal set for it. It reduces the production throughput time significantly, which is very

important for ensuring smooth production operation. The assembly cannot wait for a single part; they must be ready on time when needed. For us, the Prima Power Combi laser has clearly been the right choice.”

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Halton Marine provides indoor ventilation products and services designed for ship building, oil, gas, naval, and energy markets. In Lahti, the company manufactures such products as fire and heavy dampers, galley hoods, cabin units, and water separators. Over 95% percent of Halton’s production is exported. In addition to the Lahti factory, Halton Marine also has a production unit in Shanghai, China.

“I am very pleased that so many customers were able to come and see Prima Power machinery in action, in an actual production environment,” says Aki Ojanen, Prima Power’s vice president of sales & marketing. “It was also nice to hear about the experiences that Halton Marine has had with the Combi laser. The customers were very interested in the parts manufactured with the LPe6f machine, and especially impressed, since the quality of the manufactured parts is really high and precise.

The ability of automation to handle parts with such strict quality requirements was also something that aroused interest.'

Finding New Ways To Be Efficient

The sheet metal fabrication process is under a major change in most parts of the world. Before, an individual punch and a laser were used, but it makes more sense to combine different technologies and to process even intricate components with one set-up and one program in a highly-automated way. The LPef series combines servo-electric punching and fiber laser cutting technologies in a manufacturing solution that offers outstanding flexibility, speed, accuracy, and productivity. Combining different technologies is a field of specialty, and Prima Power has specialized in it with the laser punch successfully for 25 years.

Servo-Electric Punching

The inherent benefits of servo-electric technology include energy efficiency, versatility, accuracy, and low maintenance costs. This amounts to superior fabrication capabilities and operation economy, resulting in remarkable savings. As the punching stroke is NC-controlled, in addition to high performance punching, an outstandingly accurate forming capacity is available. High repeatability facilitates forming, roll forming, marking, etc., and shortens the set-up times. Performance values of servo-electric punching are truly impressive. There is a wide selection of optional equipment and features with which the standard machine can be customized to meet specific requirements. Most of them can also be installed later as machine upgrades.



Hemmo Järvinen (from Timpro Oy) and Mika Ahonen (from Prima Power) are scoping out a part manufactured by LPe6f machine.



Fire damper manufactured by Halton Marine.

LSR Loading And Stacking Robot

The high-performance, portal-type loading and stacking robot, the LSR provides extremely flexible, reliable and fully automatic handling of raw material, ready parts and skeletons.



Anu Nyman and Aki Ojanen gave a warm welcome to all guests.

Modern Fiber Laser

It is safe to say that the fiber laser has swept the market and now dominates, especially the cutting of thinner materials. Fiber technology has also evolved. With the latest Prima Power innovation that optimizes the high brilliance laser beam, delivery fiber, collimator and application parameters, thicker materials can also be cut burr-free. When the material is thin, it can now be cut at 120 m/min on a punch laser combination. Prima Power sets a new standard for fiber laser cutting. Prima Power LPef series features a modern 2 kW, 3 kW, or 4 kW fiber laser source with low energy consumption and with the need for laser gases eliminated. Thus the LPef is a perfect example of the Prima Power Green Means philosophy.



The very first part manufactured by LPe6f machine in Halton Marine.