ByOptimizer: New online service

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With ByOptimizer, users generate maximally optimized laser cutting plans. Bystronic’s new online service is unique and promises: Cut parts that are more precise and cost-effective than ever before.

With ByOptimizer, Bystronic presents an exclusive online service that provides users with optimized cutting plans in the twinkle of an eye. It enables users to save raw material and shorten their cutting times without requiring complex programming or specialized knowledge. ByOptimizer is based on a newly developed cluster technology from the Swedish company Tomologic. The patented technology automatically groups the parts to be cut on the metal sheet. So closely that the gaps (i.e. raw material waste) are reduced to a minimum.

More parts per metal sheet

Compared to conventional cutting plans, ByOptimizer achieves material savings of up to 15 percent on a standard-sized metal sheet of 2 by 1 meters. For example, a cutting job with approximately 60 parts, for which the conventional programming method required two metal sheets, ByOptimizer manages to group so efficiently that all the parts fit on just one sheet. This not only saves material but also set-up time, because with this cutting job there is no need to load a second sheet.

In order to benefit from ByOptimizer, users only require a PC with an internet connection, BySoft 7, and a laser cutting system from Bystronic.

ByOptimizer groups the parts that are to be cut so closely on the metal sheet that the gaps (i.e. raw material waste) are reduced to a minimum. This reduces excess material on the residual sheet and the cutting time.