

## Rolf Lasertechnik GmbH & Co. KG

www.rolf-lasertechnik.de



The family company Rolf Lasertechnik with its headquarters in Lotte in North Rhine-Westphalia has become a successful contract service provider since it was founded in 2005. For its CEO, Tobias Rolf, the emphasis is on a solution-oriented partnership with their customers. He is always looking for new and suitable solutions for even more efficient processes in order to provide fast delivery times and optimum quality.

### INDUSTRY

Metal processing

### NUMBER OF EMPLOYEES

40

### LOCATION

Lotte-Wersen  
(Germany)

### TRUMPF PRODUCTS

- TruLaser 5030 fiber
- TruLaser 5040 fiber
- Sorting Guide

### APPLICATIONS

- Laser cutting

### Challenges

Rolf Lasertechnik focuses on speed and efficiency. Speed is guaranteed with state-of-the-art laser cutting machines from TRUMPF. However, the previously extensive sorting of laser-cut parts was a bottleneck that really slowed processes down. Sheets containing up to 20 different nested customer orders with up to 60 various components presented a real challenge for operators. Up to now, programmers made part removal easier by printing the views from the nesting program and marking all the parts from the same order with coloured highlighters. "This preparation took up so much time and yet we still had reckon to with a certain error rate," explains Rolf and adds with a grin, "after all, to err is human, and humans were doing the work."



"The Sorting Guide is easy to operate, makes work easier for our staff and greatly minimises the error rate."

#### TOBIAS ROLF

CEO OF ROLF LASERTECHNIK GMBH & CO.  
KG



## Solutions

The camera-based Sorting Guide assistance system provides the perfect solution. It consists of a high resolution camera, a large screen as well as software for image detection. The operator sees an image of the sheet on the screen. All parts which belong together are marked in the same colour. As soon as the first part has been removed, the camera detects which part was removed and the Sorting Guide only displays the parts in colour which belong to the removed part. The operator is given a sorting recommendation. Furthermore, the information concerning the removed parts is passed on to TruTops Fab, where it is noted for booking until the end of the sorting procedure.

## Implementation

At Rolf Lasertechnik GmbH, the Sorting Guide is initially used in a test mode on a TruLaser 5040 fiber. Everyone is impressed by the solution within a very short space of time. Tobias Rolf purchases an additional TruLaser 5030 fiber – once again with a Sorting Guide, of course. Tobias Rolf explains why, "The Sorting Guide is easy to operate, makes work easier for our staff and greatly minimises the error rate. If you take a sheet on which several customer orders are positioned, we save about an hour a day in working time, from programming to removal preparation to sorting."



## Forecast

Not every solution can pass Tobias Rolf's test. It has to be suitable and prove its benefits for the company. At the moment, the entrepreneur is concentrating on the intelligent programming software from TRUMPF. "Not to cut back on staff," he explains. "It is more important to me to give my employees space for further training and development."

**Find out more about our products**



### Sorting Guide

The Sorting Guide is a camera-based, AI-supported assistance system which helps workers during manual sorting: this means that you save time, prevent errors and increase the efficiency of your machines without a great deal of effort. Find out how our smart helper can optimise your sheet metal processing.



[Zum Produkt](#)



### 2D laser cutting machines

We have the right laser machine for every requirement - and we work with you to optimise upstream and downstream laser cutting processes. Find out which laser machine is the right one for you.



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