

Sheet Metal Inspection Case Study

Company Profile

Company: BVS Gruppe

Location: Germany

Machine: Planar P110.25

BVS Gruppe
Wir beleben Blech.

BVS Group began in 1989 with one man and one machine. Today, the company consists of parent company, BVS Blechtechnik, based in Böblingen, subsidiary BVS Systemtechnik in Schwerin and a Chinese joint venture, BVS Chenghua.

Employing over 300 people, BVS Group are a sheet metal fabrication company offering custom made sheet metal products, assembly of components, ESD assembly and contract manufacturing of end devices for a wide range of industries including electrical engineering, renewable energy, medical technology and telecommunications.



Figure 1: BVS Blechtechnik in Böblingen, Germany

BVS were using a 2D laser scanning system to inspect their parts but there were problems with the laser and the glass had to be changed regularly. The speed was also very slow for complex parts.

The company researched alternatives to the laser scanner and was introduced to InspecVision at INTECH, TRUMPF's annual customer event in Ditzingen. InspecVision are a TRUMPF Partner and the only inspection system TRUMPF recommends to their customers.

Harald Steiner, founder of BVS Group explained that they use the InspecVision Planar 2D machine between thirty and fifty times a day in production, improving efficiency

“Testing perforated grids with around 10,000 holes would have taken four hours in the past. Today, the test takes three and a half minutes.”

Maximilian Steiner , Managing Director, BVS Gruppe

of the inspection process by fifty percent. The machine is used almost entirely by the operators of the punch-laser machines. As it's so straightforward for machine operators to use, the QA department only need to use it occasionally.

According to Managing Director, Maximilian Steiner, inspection of a perforated grid with 10,000 holes would have taken four hours on the laser scanner. InspecVision's automated Planar machine completes the job in three and a half minutes.

Figure 2: Metal part being measured on Planar machine at BVS



Since installing the Planar machine, BVS have had an increased demand to manufacture oversized parts. They now plan to upgrade their machine to facilitate measuring parts bigger than the table. This option can be purchased with the machine or retrofitted at a later date if required.

Within months of installing their Planar machine, BVS were recommending the system to other sheet metal fabrication companies in their network. With no moving parts, the system is very easy to maintain and they have required minimal support from InspecVision.

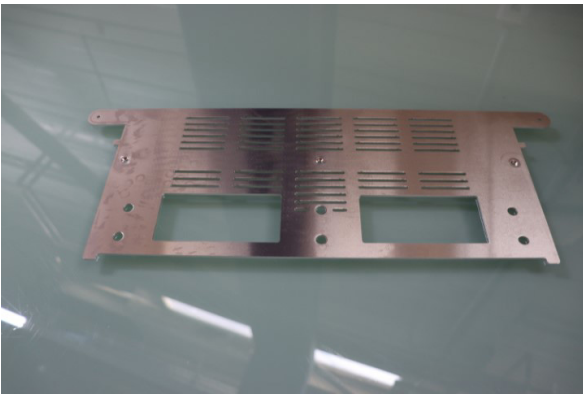


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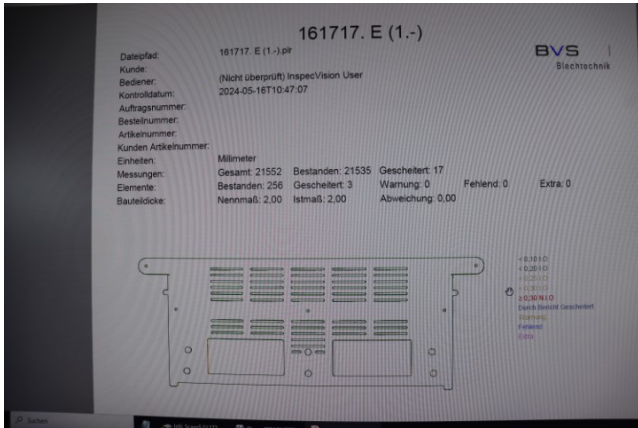


Figure 3: Sample inspection report generated by Planar machine

To find out more information about the Planar and how it can help your business; please download our online brochure and contact our sales team at sales@inspecvision.com.

“The machine results in extreme time savings and is highly reliable.”

Maximilian Steiner, Managing Director, BVS Blechtechnik

