

BBW Lasertechnik introduces laser welding in the cleanroom

Prutting, 04.12.2023 - BBW Lasertechnik, a company specializing in laser-based contract manufacturing, is now offering its industrial customers laser welding in a cleanroom. The cleanroom is certified to ISO 14644-1 cleanroom class 6 and is particularly suitable for processing welding assemblies with the highest cleanliness requirements.

Laser welding of sophisticated joints for the optics, semiconductor and medical industries

The new class 6 cleanroom is equipped with a 3D laser welding system that enables welding depths of up to 3 mm and the processing of various materials. Laser welding in the cleanroom is necessary for components that have particularly high cleanliness requirements and are difficult to clean. This applies in particular to the optics, semiconductor and medical technology industries. However, the range of applications itself is diverse. BBW Lasertechnik develops and manufactures its own cleanroom-compatible clamping concepts at the customer's request to achieve precise weld seams.

Extensive quality assurance

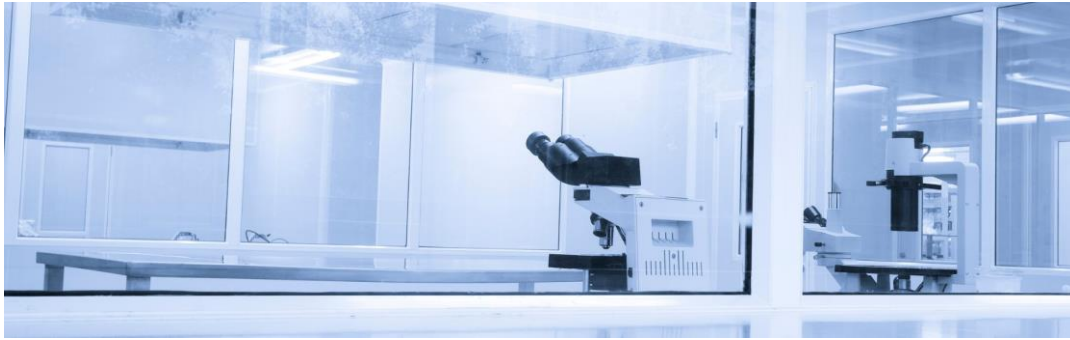
BBW Lasertechnik supplements its laser welding technologies in the cleanroom with extensive quality assurance measures. On the one hand, a helium leak test is used to check the quality of weld seams for leaks. On the other hand, microscopic examinations are carried out for metallographic seam evaluation. UV-A tests and particle measurements are also used.

Efficient processes for cost and time savings

For the benefit of efficiency and cost-effectiveness, BBW Lasertechnik has the option of carrying out parameter studies outside the cleanroom on an identical system. Programming via a CAM system also means that specific customer requirements can be addressed quickly and flexibly, saving time and money.

"We are observing that our customers' requirements in terms of cleanliness are continuously increasing. Against this backdrop, it is important for us as a leading service provider in the field of laser welding to offer our technologies and expertise now also in a cleanroom," says Andreas Bürger, Managing Director of BBW Lasertechnik.

You can find more information about laser welding in the cleanroom at BBW Lasertechnik at: <https://www.bbw-lasertechnik.de/en/laser-welding/laser-welding-in-the-clean-room/>



The attached photo may only be used with the reference "Photo: BBW Lasertechnik" and for editorial purposes. Graphical changes are not permitted.

About BBW Lasertechnik:

BBW Lasertechnik GmbH is one of the leading specialists in the field of laser material processing in Germany. The company's service portfolio includes laser welding, fine cutting, drilling and surface processing with lasers as well as mechanical production and assembly. If necessary, customized devices and machines are also developed in the in-house design department. Thanks to these capabilities, customers from all sectors of industry can be supplied. Founded in 1997, BBW Lasertechnik now has over 50 laser systems, employs around 200 people and is committed to continuous growth.

Further information about BBW Lasertechnik can be found at: <https://www.bbw-lasertechnik.de/en/>

Pressekontakt:

BBW Lasertechnik
Alica Hofmeister
Unternehmenskommunikation
+49 8036 9 08 20 20
a.hofmeister@bbw-lasertechnik.de