

New manufacturing method for Larox® PF filter plates and frames

Metso utilizes a high technology laser welding unit, customized for demanding production conditions, at its filtration technology center in Lappeenranta. Laser welding enables the production of higher-quality welded structures in a safer and more environmentally friendly way.

The laser welding technique is more advanced, resulting in a visually different result. The welding seam is clean and there is no need for post machining.



Hand welded seam



Automated laser welding machine today



Laser welded seam



Laser welded seam

Sustainability

- Safer manufacturing with robot welding (less lifting needed)
- Homogenous, automated welding
- More ecological welding method

Benefits

- Uniform quality due to automated welding
- Lower welding temperature leads to smaller amount of straightening in manufacturing phase
- Less tension in welded parts