

SSAB launches Laser Plus – the only steel in the world with guaranteed flatness after laser cutting

Laser Plus is a totally new generation of steels for laser cutting that comes with unique guarantees: maximum flatness deviation of 3 mm/m after laser cutting and bending radius of 0 -1.5 x the material thickness. These features make it possible to meet the most challenging requirements in automated production environments.



“The dead flat process gives optimum flatness and minimum internal stress, which allows us to guarantee a maximum deviation of 3 mm/m after laser cutting Laser Plus. The flatness tests on Laser Plus show unique results. Strict thickness tolerances and constant mechanical properties for each and every delivery result in trouble-free production. In addition, the smooth surface quality of Laser Plus steel guarantees a higher cutting speed and first-class surface quality of the cut edge. Cutting complex and high precision components and narrow contours can be done without rework. This actually takes steels intended for laser cutting to a new dimension” says Robert Wesdijk, Product Group Manager, Hot Rolled Strip products, Western Europe, at SSAB.

The production process of Laser Plus steels results in a surface that is covered with a thin micro scale. This enables extremely efficient laser- water- and plasma cutting. The quality of the cut edge remains excellent, even up to a thickness of 30 mm. The cold forming properties of Laser Plus steels are excellent and SSAB guarantees inner bending radius of 0-1.5 x the material thickness, depending on strength level in combination with thickness.

Laser Plus steels are now available both as heavy plates and hot-rolled strip products. It is the new standard for demanding applications in e.g. mechanical engineering and construction, as well as in the automotive and electronics industries.

The product has been developed in close cooperation with laser cutting system manufacturers, end users, distribution partners and Ruukki, who merged with SSAB in July 2014. With over 20 years of experience, Ruukki and SSAB have been the leading producers of steels perfected for laser cutting.

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For pictures, please visit SSAB's [Media bank](#)

SSAB is a Nordic and US-based steel company. SSAB offers value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has production facilities in Sweden, Finland and the US. SSAB is listed on the NASDAQ OMX Nordic Exchange in Stockholm and has a secondary listing on the NASDAQ OMX in Helsinki. www.ssab.com.