

BrightLine Weld – trend and improvements in laser welding applications

Stephan Collmer

TRUMPF Laser- und Systemtechnik, Ditzingen, Germany

Corresponding author: Stephan.collmer@trumpf.com

TRUMPF laser welding technology BrightLine Weld enables new possibilities in laser welding. Low spatter welding on very high feed rates has been demonstrated for power train applications in the past already. That technology allows for vastly improved productivity and energy efficiency. High quality weld seams result in high mechanical strengths of components produced. New trends and improvements using BrightLine Weld technology in several industries like electro-mobility will be discussed and functional principle presented.