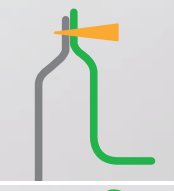
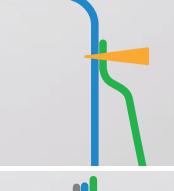


Application examples with various tools

Laserpower up to 8 kW at welding speed up to 250 mm/s (15 m/min)

Flange Geometry	References	Tooling Set
	Weld: 975 mm Sheet plate: 0,75/1,75/1,5 mm Daily output: 735 m	LSK04-01 
	1) Weld: 625 mm Sheet plate: 0,75/0,7 mm Daily output: 470 m 2) Weld: 330 mm Sheet plate: 0,8/1,5 mm Daily output: 250 m	LSK04-01 with degassing 
	Weld: 450 mm Sheet plate: 0,75/1,75/1,5 mm Daily output: 340 m	LSK04-03 
	1) Weld: 195 mm Sheet plate: 0,75/1 mm Daily output: 293 m 2) Weld: 253 mm Sheet plate: 0,8/1,5 mm Daily output: 355 m	LSK04-05/09 
	1) Weld: 710 mm Sheet plate: 0,75/2/1,5 mm Daily output: 535 m 2) Weld: 1025 mm Sheet plate: 0,75/2/1,5 mm Daily output: 770 m	LSK04-13 
	Weld: 975 mm B-Pillar: 0,75/2,0/1,5 mm Daily output: 755 m	LSK04-14 

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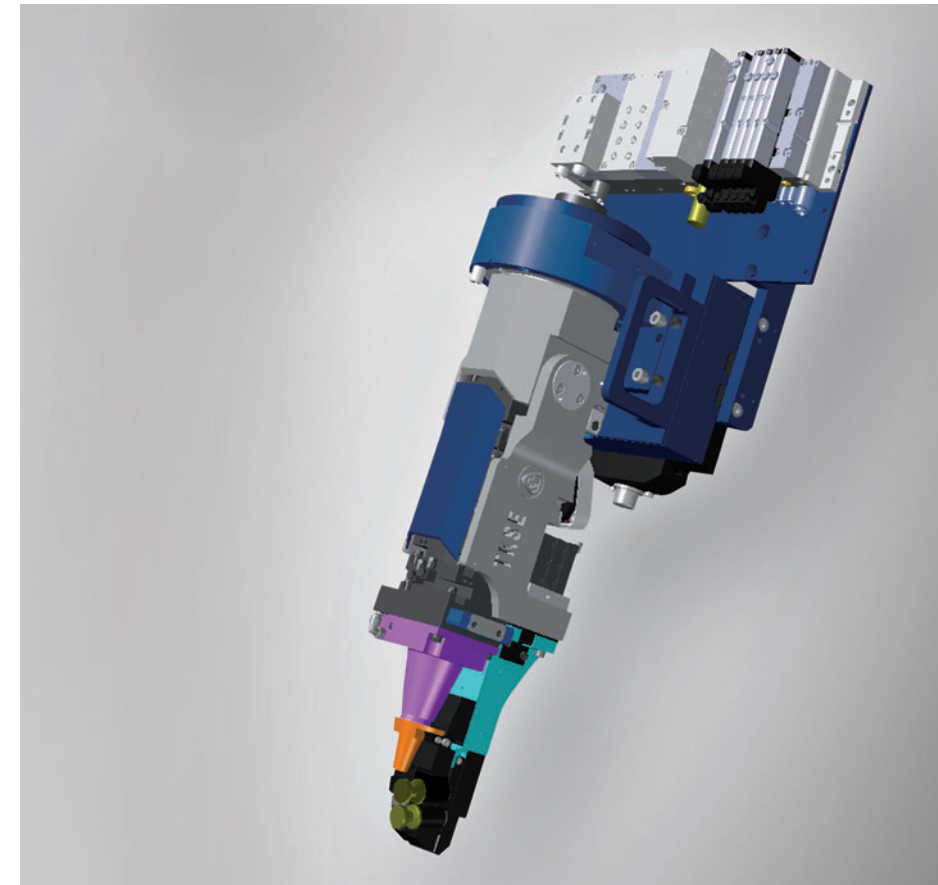
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Laser Welding Laser Clamping Head LSK05

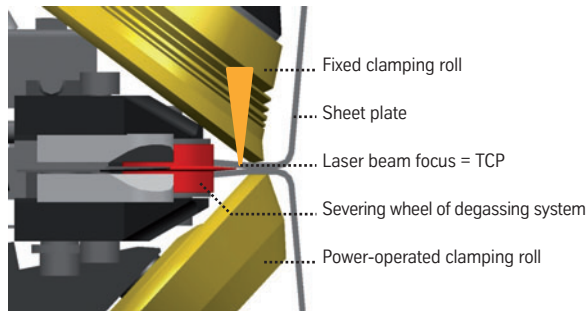


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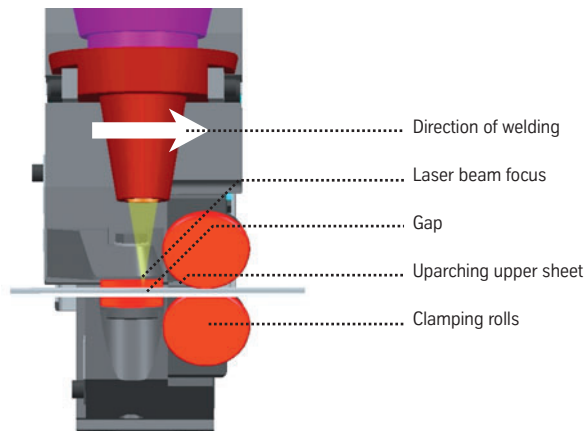


Laser Clamping Head LSK05 of ThyssenKrupp Drauz Nothelfer

Roll clamping system - mechanical degassing



Leading clamping system - thermal degassing



- Making of a dimensionally true and low-tensile welding assembly, even of higher-resistant materials, thanks to patented roll clamping technology
- Cost reduction thanks to simplified fixtures as clamping functions at joining spot are performed by LSK05
- Matching with various joining geometries thanks to modular design and various tooling sets
- Excellent component accessibility thanks to slim design
- Minimized component flange width thanks to patented clamping system
- Zinc degassing ensured by patented degassing system
- Infinitely variable clamping power from 100 to 700 N
- Matching with component geometry thanks to special function groups
- Optimized Circular-Jet with minimized air consumption and high lifetime of protective lens
- Improved protection of optical components by second protective lens
- Control and diagnosis via field bus (e.g. Interbus, Profibus, Profinet)
- Minimized maintenance and service expenditure thanks to the use of high-quality components
- High repair friendliness thanks to pre-assembled spare and wear parts sets
- Connection to all Laser Sources (LLK-D, LLK-B, QBH)
- Optional process monitoring and protective window monitoring system by Precitec

