

**YOUR PARTNER FOR
LASER SYSTEM TECHNOLOGY**

DOUBLE WELDING CELL



2-Station Laser Cell

The classic 2-station principle is represented by the Laserflex cell described here.

Our double welding cell can be flexibly used for solid-state and CO₂ lasers, as well as for rotationally symmetrical and other geometries, axial and radial welded seams. In addition to laser material processing, there is also an integrated pressing function. Through independently autonomous lifting gates it is possible to load the work pieces automatically or by hand.



Technical Data:

Control unit: Siemens 840 D SL

Dimensions:
3500 x 2450 x 3200 mm (L x B x H)

Beam source:
CO₂- or solid-state laser

Max. work piece Ø: 250 mm

Max. work piece height above device:
200 mm

Strokes, NC-axes:

X = 1000 mm, Y₃ = 600 mm,
Z = 500 mm (optic)

B: ±100° (optic)

Y₁, Y₂: 650 mm (work piece)

C₁, C₂: n x 360° (work piece)

W₁, W₂: 110 mm / 60kN
(Pressing work piece)

Machine Concept

Contilever system with moveable processing optic.

The processing optic moves via contilever arm to the individual stations and can process radial and axial seams without changeover of the swivelling optical head. Owing to the swivel axis in the direction of the work piece (Y) both stations can be built closely together and thereby meet customer requirements for compactness. The system is designed as a "single block" machine with a common base frame for all system components.



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