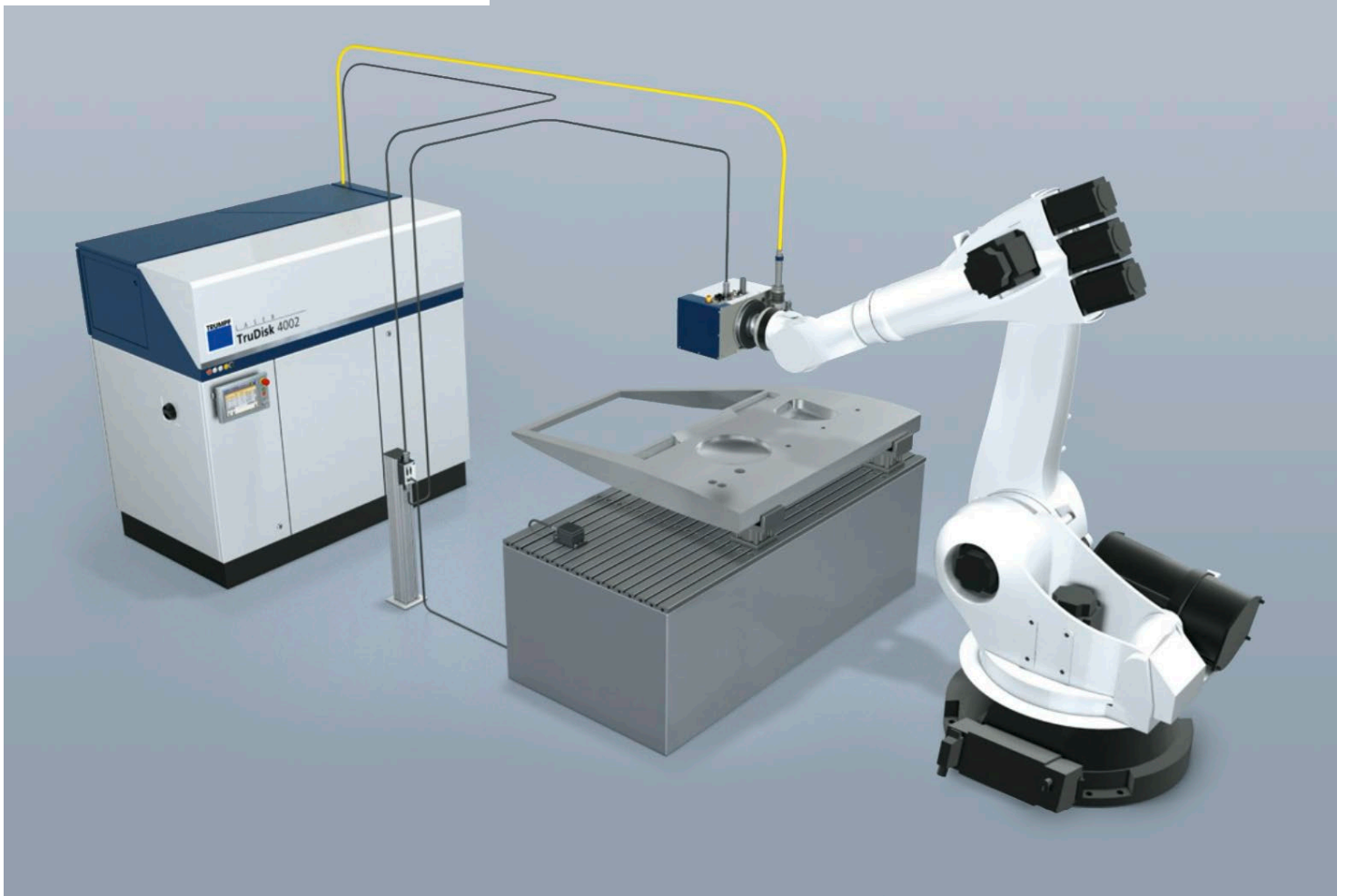
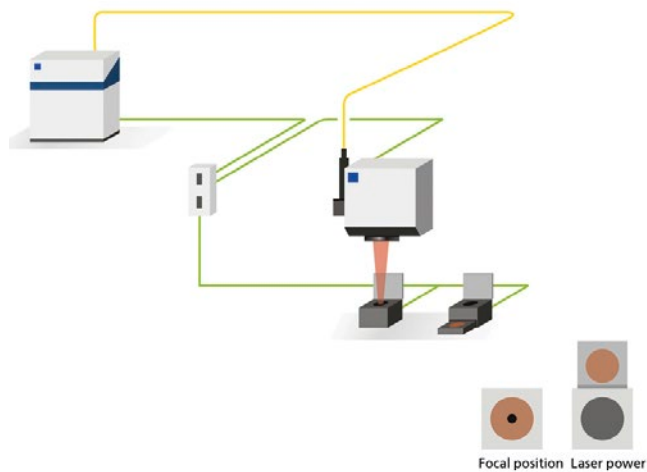


CalibrationLine:
Precise adjustment of focal
position and
laser power.



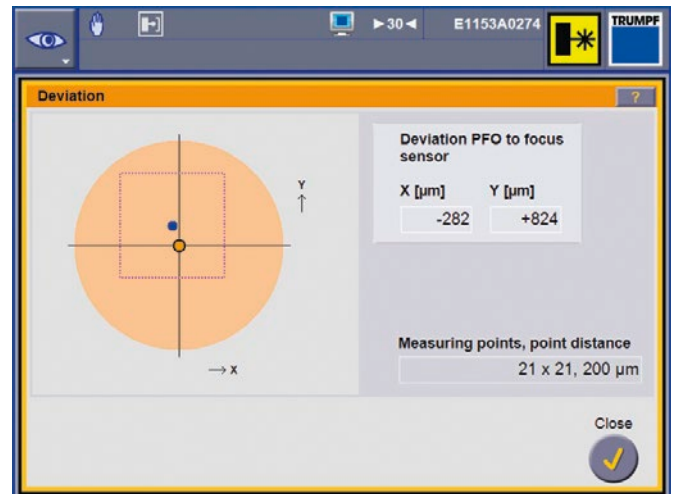
Perfect welding results.

The function CalibrationLine checks at regular, individually definable intervals whether the focal position and laser power at the workpiece correspond precisely to customer requirements. CalibrationLine corrects the measuring data and, via the control software TruControl 1000, brings the program back into line with reality – for perfect welding results and high repeatability.



CalibrationLine: Your benefits at a glance.

- 1 Precise positioning and calibration of the focal point on the workpiece.
- 2 Precise power measurement at the workpiece to adapt laser power.
- 3 Quality assurance due to storage of correction values in database.



Precise – and saves time.

This direct communication between the measuring unit and the control software is so far unique, and saves you valuable working time. CalibrationLine enables optimal utilization of the high precision and extreme freedom of movement of programmable focusing optics (PFO). The function guarantees safe processing, and is also ideal for applications that require the highest precision. CalibrationLine is already being used with great success in the automotive sector.

Permanent retraceability.

The data recorded by CalibrationLine are stored in a FiFo database, enabling the user to access the detailed measuring data at any time. The measuring data can also be exported to customer databases.

	CalibrationLine – Focus	CalibrationLine – Laser Power
Available focusing optics	PFO 3D-2, PFO 33-2, PFO 20-2, PFO 14	PFO 3D-2, PFO 33-2, PFO 20-2, PFO 14, focusing optics
Accuracy	At f = 450 mm and d _f = 650 µm: X/Y = ± 50 µm; Z = ± 0,5 mm (~ 5% Z _R)	Power range 200–8000 W: ± 3% on measuring value

Subject to alteration. Only specifications in our offer and order confirmation are binding.

Precise focus adjustment
with CalibrationLine
www.trumpf.info/zil8pe



Precise power setting at the
workpiece with CalibrationLine
www.trumpf.info/19uydf

