

TRUMPF



Temperature control

Technical data

TRUMPF



Temperature control for plastic welding

Temperature control for laser case hardening

CONFIGURATION

AVAILABLE LASERS

TruDiode 151, TruDiode 301,
others on request

TruDisk up to 6 kW

AVAILABLE FOCAL LENGTHS

200 / 250 mm (BEO D50)
200 / 280 mm , others upon
request (PFO 20-2 post-objective)

560 mm , others upon request
(PFO 20-2 post-objective)

AVAILABLE FOCAL LENGTHS OF COLLIMATION

35 mm (BEO D50)
34.5 / 56 / 80 mm (PFO 20-2 post-
objective)

80 mm (PFO 20-2 post-objective)

PARAMETERS

PYROMETER MEASUREMENT RANGE

180 °C - 520 °C (with emission
factor $\epsilon = 1$)

650 °C - 1600 °C

PYROMETER MEASUREMENT RATE

2 kHz (500 μ s)

4 kHz (250 μ s)

TEMPERATURE CONTROL CYCLE RATE

12.5 kHz (80 μ s)

12.5 kHz (80 μ s)

TYPICAL PRECISION

3 % at 250°C (providing there is
an annual calibration)

2 % at 1000°C (providing there is
an annual calibration)