

## Availability



REF

Desktop Compact Laser

**090-590-00**

### The following is available as an option:

Argon fitting with flow display

**908-873-00**

Integrated extraction

**090-591-00**

Height adjustable tripod

**090-574-00**

Maintenance and servicing contract

**099-400-00**Laser safety training and dental technical training  
within the company in Ispringen

## Technical Data

Average power	20 W
Peak pulse output	3 kW
Max. pulse energy	30 J
Pulse duration	0.5 – 15 ms
Welding voltage	150 – 350 V
Power consumption: max.	2000 W
Stand-by	120 W
Focussing range	0.2 – 2.0 mm
Single pulse/Continuous pulse	both possible
Continuous pulse frequency	0.5 – 5 Hz
Focussing adjustment	mechanical
Programming space	16
Argon nozzle	2 flexible
Air nozzle	integrated
Mikroscope	4H-Jena lens system 16x
Illumination	2x20 W
Measurements	550x460x800 mm (WxHxD)
Weight	78 kg
Mains voltage	230 V / 10 A / 50/60 Hz

### Optional

Integrated extraction	connection for external extraction 34 mm inside diameter
Tripod	
min. working height	740 mm
max. working height	1090 mm
control	2 integrated foot controls
mains voltage	230 V / 10 A / 50/60 Hz

Our dental technical advice team is pleased to help,  
should you have any questions:

**Tel. +49 72 31/803-410**



## DESKTOP COMPACT

The value-for-money laser for every use

989-355-20 Printed by Dentaaurum Germany 09/96/CR1-2

**D**  
DENTAURUM

**D**  
DENTAURUM

## The Desktop Compact – The result of more than 10 years of experience

### Cost effective

#### It couldn't be better value-for-money!

Laser technology is now attainable for anyone. The Dentaaurum laser welding machine, with more than sufficient power for all work in the dental laboratory, is available for a reasonable price.

### Pulse Power

#### The right dimension

Dentaaurum's Desktop Compact Laser has energy and performance levels capable of welding any type of dental metal / alloy and is tailored to each alloy's individual requirements.

### Space requirement

#### Top performance requiring only 55 x 80 cm

With its compact measurements, the Desktop Compact can be placed on any table.

Should you wish for an adjustable comfortable working height, then we advise the height adjustable tripod (REF 090-574-00).

## The Ergonomics – Well designed, down to the smallest detail

### Prevents drowsiness and enhances concentration on the work object

- The laser axis is inclined optimally so that the user can sit comfortably at the microscope whilst holding the piece of work at the correct angle.
- The operating elements are inside the working chamber. This allows the user to comfortably program the welding parameters manually.
- 2 strong halogen lamps illuminate the working chamber evenly.
- A strong, high quality original Leica microscope guarantees a well illuminated, detailed field of vision.
- An electronically height adjustable tripod is optional:

The electronically height adjustable tripod is controlled by a foot pedal which adjusts the laser height within seconds to the individual size requirements of each technician in the laboratory. This way each technician can work with perfect posture.

## The Handling

### Comfortable and user-friendly

- The large sharp view area in the working chamber enables the user to weld accurately. The laser will still function reliably even though the piece of work has not been placed directly in the laser beam focus.
- The working chamber can be opened on both sides so that larger objects can also be easily inserted into the chamber and therefore easily welded.
- Welding work which takes longer can be cooled down by blowing with air from the compressed air nozzle in the working chamber.
- 16 free programming spaces are available for the user.

### The variable focus

The focus diameter is mechanically variable from 0.2 mm and 2.0 mm, in 0.1 mm steps. This covers the whole span of dental welding from fine detailed work to smoothing over of larger surfaces.

