




## **Fitting instructions – Lynx Optical Positioning Device**

**Order No.: 090-584-00**

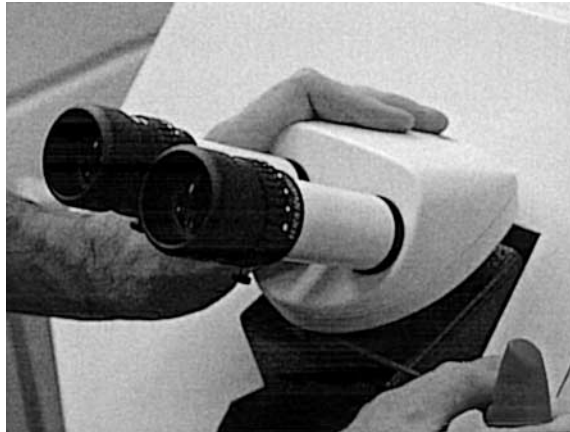
  
**DENTAURUM**

## A. Benchtop and Com-4-Laser

### 1. Remove the existing microscope

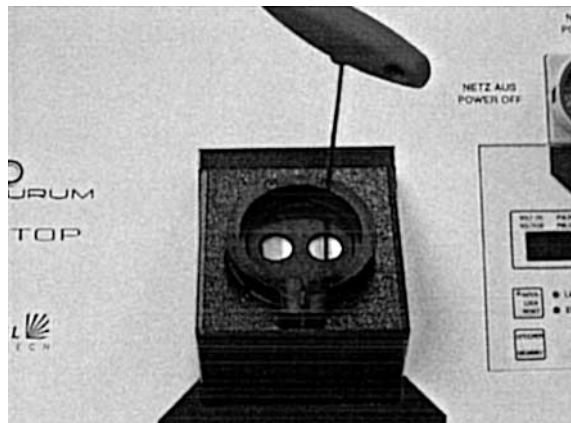
Loosen the hexagon screw on the side of the black clamp with a size 3 Allen key. Remove the microscope.

 **Caution! Hold the microscope with your hand.**



### 2. Remove the clamp from the laser

Hold the clamp with your hand. Loosen the two hexagon screws on the top with a size 2.5 Allen key.



**3. Fit the new clamp to the laser**

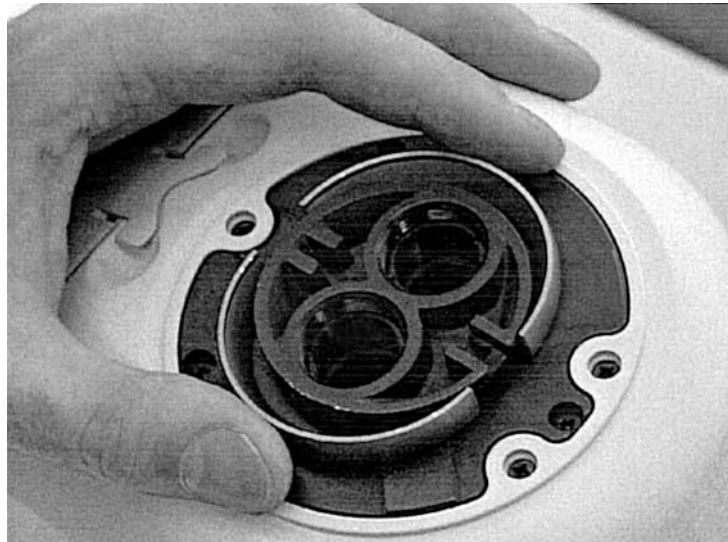
Wind the M 5x12 (907-838-00) hexagon screw supplied with the device into the clamp (973-109-00), but do not tighten it. Use the existing hexagon screw to fix the clamp to the laser.

**⚠ Caution! Ensure that the black panel with the two holes is positioned correctly.**

**4. Fit the tapering ring**

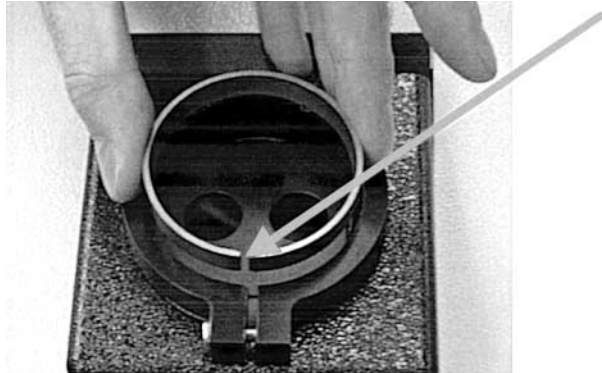
Turn the Lynx optical positioning device upside down and press the two tapering rings (971-411-00) onto the adapter on the bottom.

**⚠ Caution! Ensure that the narrow side points toward the laser and the slots are parallel to the positioning device.**



5. **Press the clamping ring onto the clamp**

**⚠ Caution! Ensure that the narrow side of the clamping ring (971-412-00) points toward the Lynx microscope and the slot points forwards.**



6. **Fit the Lynx optical positioning device**

**⚠ Caution! Hold the two tapering rings on the Lynx microscope with your hand.**

Tighten the hexagon screws on the side of the clamp with a size 4 key.

7. **Connect the AC adapter to the Lynx optical positioning device and plug it into a mains socket.**

The red LED lights up.

8. **Adjust the cross hairs**

Switch the laser on. Hold the Lynx optical positioning device with your hand and loosen the hexagon screw on the side. Move the Lynx optical positioning device until the cross hairs are aligned with the actual position of the laser beam.

Grip the round titanium blank in the stand (e.g. round titanium blank holder (090-525-00) and carry out trial welds on titanium blanks using the following settings:

- Voltage: 300 V
- Pulse duration: 1 ms
- Ray divergence:  $\varnothing$  0 mm

Compare the welding spot with the actual position. Use low laser settings for the trial welds.

Then tighten the hexagon screw firmly.

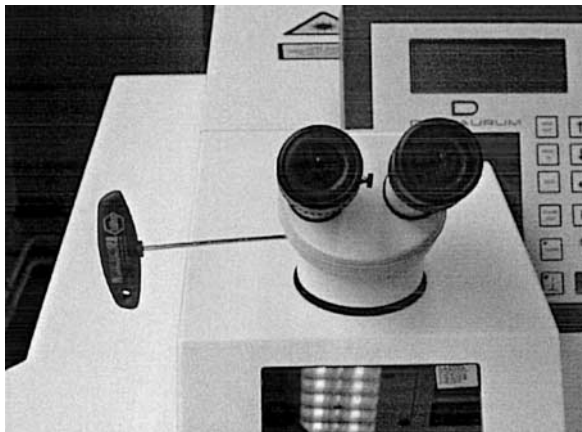


## B. DL 3000

### 1. Remove the existing microscope

Loosen the hexagon screw on the left, beneath the microscope with a size 3 Allen key.

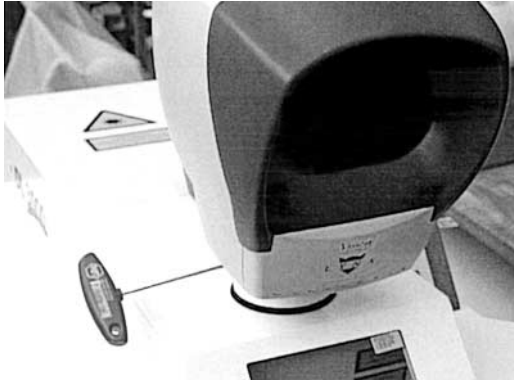
 **Caution! Hold the microscope with your hand.**



Remove the microscope.

## 2. Fit the Lynx optical positioning device

Tighten the hexagon screws on the side firmly.



## 3. Connect the AC adapter to the Lynx optical positioning device and plug it into a mains socket.

The red LED lights up. Those models of the DL 3000 manufactured after March, 2001 have a socket on the control panel housing. Plug the cable into this socket.

## 4. Adjust the cross hairs

This procedure is described on pages 36 and 37 of the DL 3000 instructions.

## 4. Packing list

1 Lynx positioning device, incl. AC adapter	090-584-00
1 Clamp	973-109-00
2 Tapering rings	971-411-00
1 Clamping ring	971-412-00
1 Allen screw, M 5 x 12	907-838-00
1 Fitting instructions	



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