

## DISCOVER THE UNIVERSE OF FINE ADJUSTMENT



0.15 mm (170 TPI) fine thread screws  
with our patented Helix 2 lubrication

available in four colors to  
differentiate between light beams

**\*NEW\*** standardised parts among our  
products for best prices on the market



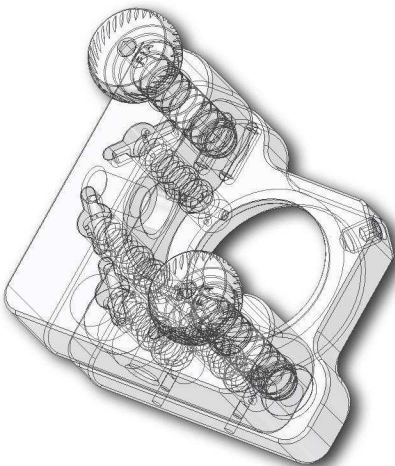


## FineAdjustment Optomechanics

Since 2007, Fine Adjustment has been producing optomechanical components which are used in many institutions around the world. The unique design and its functional capabilities as is what customers value in our line of mirror mounts.



FineAdjustment optomechanics are manufactured to exceptionally fine tolerances. Each adjuster is fitted with a patented and long-life lubrication system and a screw head with an additional hexagon socket. This lubrication system guarantees that the



thread is evenly supplied with lubricant at every turn of the adjuster. Therefore, wear time is eliminated and components consistently maintain a very smooth movement and perform to design specification throughout their life. FineAdjustment Optomechanics are constructed from specially treated materials in order to prevent movements due to mechanical stress and changing temperatures.

## Mirror Mounts

Our newest editions of optomechanics have been simplified but yet enhanced to be more stable. This gives you the benefit of fast delivery times and the advantage of best prices on the market. Fine Adjustment products can be ordered from our distributor Radiant Dyes Laser and Accessories GmbH.



### Venus Series

- » For 0.5" optical devices
- » 170 TPI fine tuning adjusters
- » M4.5 adjusters with hexagon socket
- » Mounting holes M4
- » Powerful springs for excellent performance
- » Body in anodised aluminium



### Earth Series

- » For 1" optical devices
- » 170 TPI fine tuning adjusters
- » M8 adjusters with hexagon socket
- » Counter bore M6
- » 4 powerful springs for excellent performance
- » Body in anodised aluminium - BP blue, FP black



### Mars Series

- » For 1.5" and 2" optical devices
- » 170 TPI fine tuning adjusters
- » M8 adjusters with hexagon socket
- » Mounting holes M6
- » 4 powerful springs for excellent performance
- » Body in anodised aluminium - BP blue, FP black



### Mercury Series

- » Our stainless steel mirror mounts series
- » For 0.5" and 1" optical devices
- » The perfect mount for vibration sensitive applications
- » 170 TPI fine tuning adjusters
- » 4 powerful springs for excellent performance



## Mirror Mounts



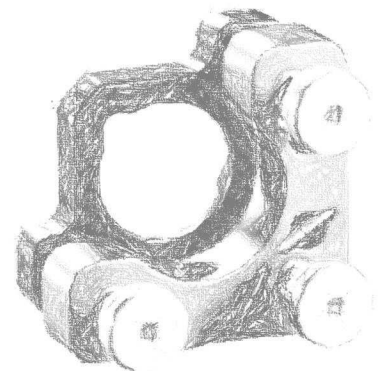
### Venus Used From Top Series

- » For 0.5" optical devices
- » Ideal for fitting into small spaces
- » Hysteresis free
- » 170 TPI fine tuning adjusters
- » M4.5 adjusters with hexagon socket
- » Mounting holes M4
- » Powerful springs for excellent performance
- » Body in anodised aluminium



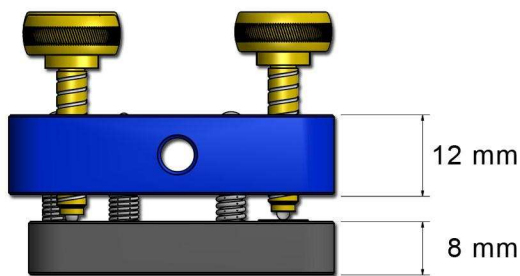
### Earth Used From Top Series

- » For 1" optical devices
- » Ideal for fitting into small spaces
- » Hysteresis free
- » 170 TPI fine tuning adjusters
- » M4.5 adjusters with hexagon socket
- » Mounting hole M6
- » 4 powerful springs for excellent performance
- » Body in anodised aluminium

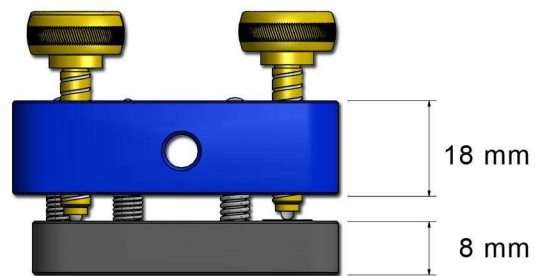


## Available Options

### Base Plate NORMAL



### Base Plate HIGH STABLE



### Front Plates VERSIONS

The front plates of our mirror mounts are available in three different versions to accommodate the optic and the requirement you have placed in it.



0.5" - 2" closed



0.5" - 2" open



closed

### Base Plates COLORS

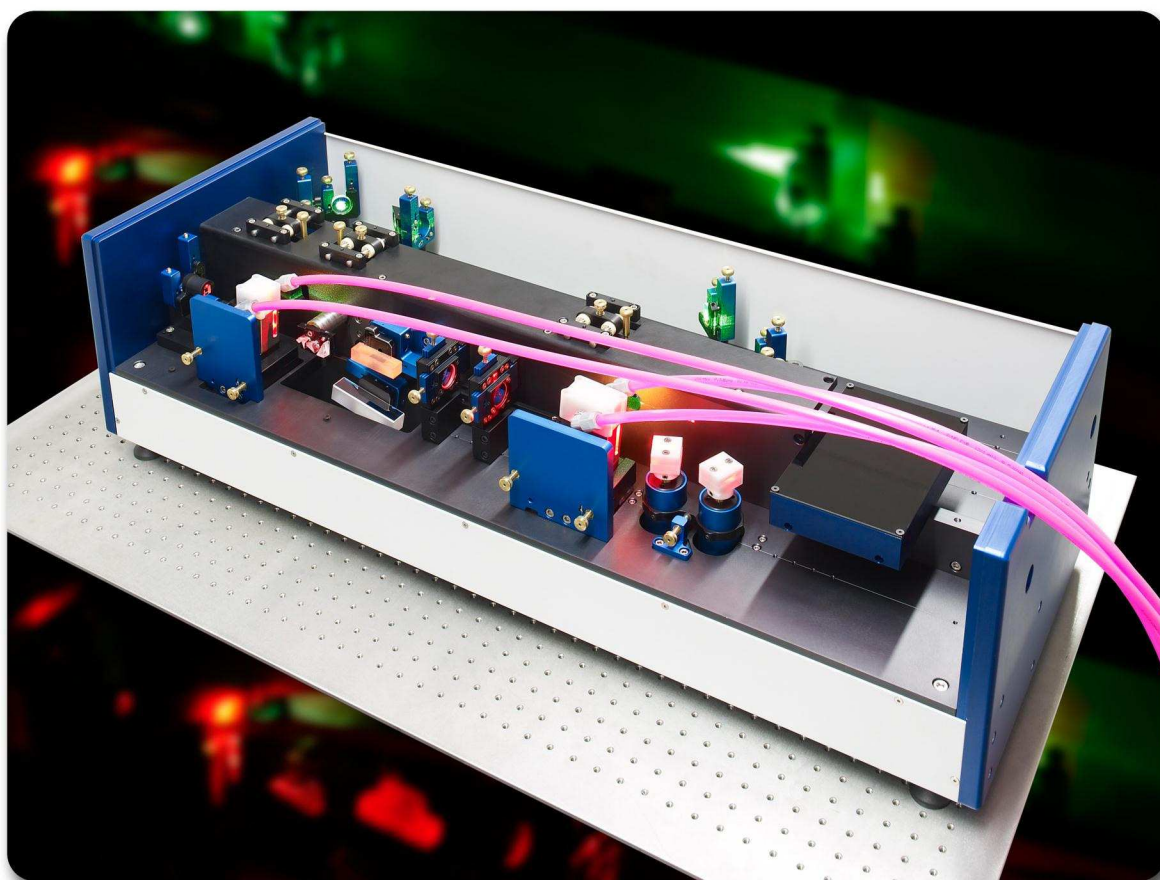


Our mirror mounts are available in four different colors to help you differentiate between light beams on a crowded optical layout.

The standard color for our back plates is blue. Colors green, orange and black are available for a surcharge of 10%. Colors are free of charge if your order exceeds EUR 1,000.00

## Fine Adjustment Lasers

For five years, Fine Adjustment has built and installed Dye-Lasers all over the world. Since May 2012, we are no longer manufacturing laser systems and have decided to focus on the production and development of mirror mounts. For all existing lasers, Radiant Dyes Laser & Accessories GmbH will provide the service and maintenance. We thank our laser customers for the trust they have placed in us and recommend them towards the excellent Narrow Scan Lasers of Radiant Dyes.





## Article List

### Venus Series

Part No.	Baseplate	# Adjusters	Front Plate
13.00010.001	open	2	closed
13.00011.001	open	2	0.5" open
13.00013.001	open	2	0.5" closed
13.00015.001	open	3	closed
13.00016.001	open	3	0.5" open
13.00018.001	open	3	0.5" closed
13.00136.001	High Stable, open	2	closed
13.00137.001	High Stable, open	2	0.5" open
13.00139.001	High Stable, open	2	0.5" closed
13.00983.001	High Stable, open	3	closed
13.00140.001	High Stable, open	3	0.5" open
13.00142.001	High Stable, open	3	0.5" closed
13.00022.001	Used From Top	2	closed
13.00023.001	Used From Top	2	0.5" open
13.00025.001	Used From Top	2	0.5" closed

### Earth Series

Part No.	Baseplate	# Adjusters	Front Plate
13.00036.001	open	2	closed
13.00039.001	open	2	1" open
13.00043.001	open	2	1" closed
13.00045.001	open	3	closed
13.00047.001	open	3	1" open
13.00049.001	open	3	1" closed
13.00931.001	High Stable, open	2	closed
13.00146.001	High Stable, open	2	1" open
13.00151.001	High Stable, open	2	1" closed
13.00933.001	High Stable, open	3	closed
13.00154.001	High Stable, open	3	1" open
13.00157.001	High Stable, open	3	1" closed
13.00060.001	Used From Top, Left-Handed	2	closed
13.00062.001	Used From Top, Left-Handed	2	1" open
13.00066.001	Used From Top, Left-Handed	2	1" closed
13.00953.001	Used From Top, Right-Handed	2	closed
13.00956.001	Used From Top, Right-Handed	2	1" open
13.00957.001	Used From Top, Right-Handed	2	1" closed

### Mars Series

Part No.	Baseplate	# Adjusters	Front Plate
13.00269.001	open	2	1.5" open
13.00073.001	open	2	2" open
13.00075.001	open	2	2" closed
13.00992.001	open	3	1.5" open
13.00080.001	open	3	2" open
13.00082.001	open	3	2" closed

### Mercury Series

Part No.	Baseplate	# Adjusters	Front Plate
13.15001.200	open	2	0.5" open
13.15002.200	open	2	0.5" closed
13.15003.200	open	2	1" open
13.15004.200	open	2	1" closed

## Contact Details



Fine Adjustment is a product of ERÜ Kunststofftechnik GmbH  
Our products are distributed by Radiant Dyes Laser & Accessories GmbH

ERÜ Kunststofftechnik GmbH  
Fine Adjustment  
Dahlienstraße 21  
42477 Radevormwald  
Germany

Phone +49 (0) 21 95 - 91 11 0  
Fax +49 (0) 21 95 - 91 11 34

[info@fine-adjustment.com](mailto:info@fine-adjustment.com)  
[www.fine-adjustment.com](http://www.fine-adjustment.com)

We are certified according to DIN ISO 9001 and DIN ISO 14001

### **Radiant Dyes Laser**

Radiant Dyes Laser & Accessories GmbH  
Friedrichstr. 58  
D-42929 Wermelskirchen  
Germany

Phone +49 2196 - 81061 or 92685  
Fax +49 2196 - 3422

[info@radiant-dyes.com](mailto:info@radiant-dyes.com)  
<http://www.radiant-dyes.com>