Starlight Instruments

When only the best will do!

FEATHER TOUCH® FOCUSERS

LASER COLLIMATORS

ELECTRONIC FOCUSING SYSTEM
by Starlight Instruments

Feather Touch® Focusers

Laser Collimators

Electronic Focusing System
by Starlight Instruments

Order online at **starlightinstruments.com**

FEATHER TOUCH® FOCUSERS

Quality & Craftsmanship

Feather Touch Focusers by Starlight Instruments are known for their quality and craftsmanship. They are offered as a standard feature by some of the most recognized telescope manufactures including: Astro-Physics, TEC, Lunt, Tele Vue, CFF Telescopes, Celestron, Takahashi, Borg, APM, Obsession, William Optics, Teeters Telescopes, Orion Optics, and New Moon Telescopes.

Starlight Instruments designs, machines, anodizes, and assembles the components in-house allowing for superior quality control. A Feather Touch Focuser is an absolute must for CCD imaging and astro-photography, in addition to making visual use a joy.

Our product line offers a large selection of focusers and accessories:

Feather Touch Micro Focusers for SCT Telescopes.

The 1.25" Feather Touch Focuser comes in 2 versions, a single speed and dual speed. This focuser also comes in .75" and 1.5" travels.

The 2" Feather Touch Crayford Focuser can outperform most other rack/pinion focusers and has a lifting capacity of 8-10 pounds. It comes in draw tube travels of 0.8", 1.5", 2.0", and 2.5".

The 2" Rack/Pinion Focuser can lift and hold 13-15 pounds and has a draw tube travel of 1.5".

The 2.5" and 3.0" Feather Touch Focuser has a lifting capacity of 13-15 pounds and comes in draw tube travels of 1.5", 2.5", and 3.5".

The True 3" Feather Touch Focuser will accept a 3" accessory and has a lifting capacity of 13-15 pounds and comes in draw tube travels of 1.5" and 3.5".

The 3.5" Feather Touch Focuser has a lifting capacity of 18-20 pounds and comes in draw tube travels of 1.375" and 4.5". Starlight Instruments offers a custom 3.5" focuser for the FSQ106ED.

Starlight Instruments Integrated Paracorr System (SIPS) with TeleVue optics.

Howie Glatter LASER COLLIMATORS

by Starlight Instruments

In order to achieve the best possible resolution and contrast, the optical elements of a telescope must be put into near-perfect alignment. Collimation is the adjustment of the position and orientation of the optical elements to achieve best performance. Laser collimation is a relatively new way to accurately and precisely collimate a telescope.

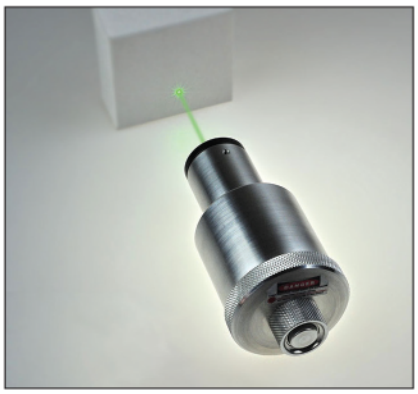
Laser collimation has several unique advantages. The laser collimator provides its own light source, so collimation can be readily accomplished or checked after dark without additional equipment. Unlike passive collimation tools, your eye position is not constrained by a peep-hole and cross hairs, and you don't need to scrutinize elements at different distances simultaneously.

We produce laser collimators in three different body sizes: a 1¼" only, a 2" only, and a combination 2"-1¼" size. The combination size is 2" at the back, and steps down to 1¼" at the front. The 2"-1¼" or 2" collimator is recommended for accurate alignment in a 2" eyepiece.

2" Red Laser with either 635nm or 650nm red laser brightness.

1.25" Red Laser with either 635nm or 650nm red laser brightness.

2"/1.25" Laser Collimator with either 635nm or 650nm red laser brightness, or 532 green laser brightness.



2"/1.25" Green Laser with 532 green laser brightness.

Laser collimation has several unique advantages:

- *a laser collimator provides its own light source, so collimation can be readily accomplished or checked after dark without additional equipment,*
- *your eye position is not constrained by a peep-hole and cross hairs, and*
- *you don't need to scrutinize elements at different distances simultaneously.*

ELECTRONIC FOCUSING SYSTEM

By Starlight Instruments

The Electronic Focusing System by Starlight Instruments (EFS) comes with a hand controller that allows the operator to manually adjust the focuser. Also included are the necessary power adapter and cables to interface the EFS to your system along with an ASCOM driver. The system offers all the standard features that Amateur Astronomers have come to expect including the ability to correct backlash, temperature compensation, and extremely accurate focus. The ASCOM driver also offers several settings including braking of the focus motor and locking the focus motor and several speed options.

The EFS

- measures 4.13" (105mm) long, 2.87" (73mm) wide and 1.1" (28mm) thick,
- has connections on the rear for power, the hand controller, and a USB connection,
- connects to the focuser on the front of the EFS box,
- can be controlled by a computer via the USB interface.

The EFS package comes with an ASCOM driver which will also interface with any other ASCOM compatible telescope control program. The ASCOM driver requires at least the ASCOM platform V6.

Electronic Focusing System by Starlight Instruments (EFS) pictured above with PDMS motor. Parts Include:

- **Ethernet cable** (*red*, Motor to Control Box)
- **USB cable** (*silver*, Control Box to PC)
- **Coiled cable** (*black*, Hand Controller to Control Box)
- **Control Box** (*large rectangle box*)
- **Hand Controller** (*small rectangle box with gold knob*)
- **Motor** (*PDMS motor pictured, also available with the HSM motor*)
- **Power supply** (Control Box to power source)

To place an order, or for additional product specifications and resources, visit *starlightinstruments.com*.

Starlight Instruments

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Some images contained in this literature provided by our valued friends and customers. Thank you.