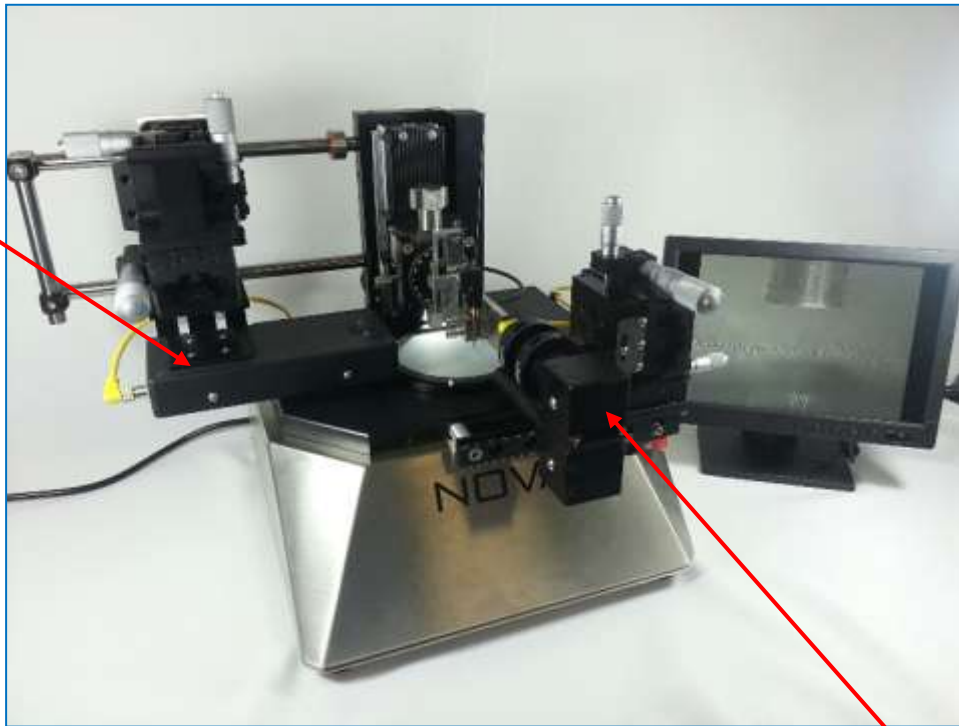


System Overview

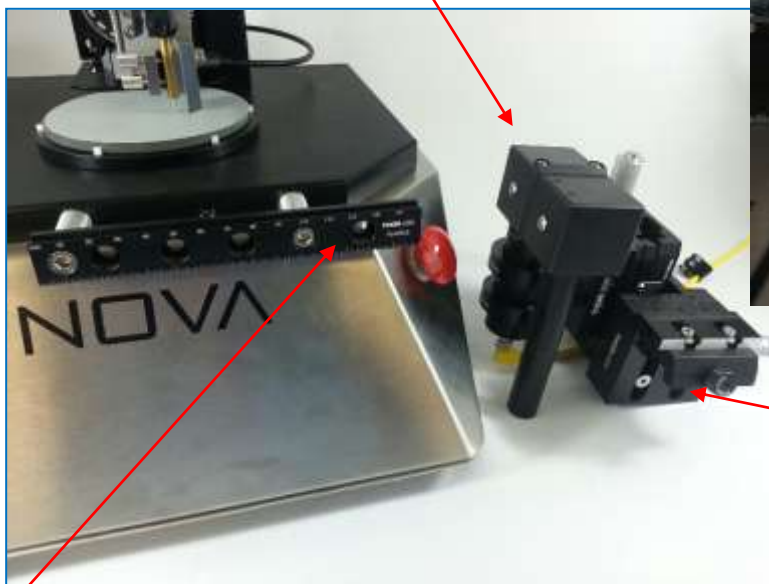
Surface inspection
module (optional)



Profile inspection module

System Set-up

Profile inspection module



Positioning rail



Dovetail interface

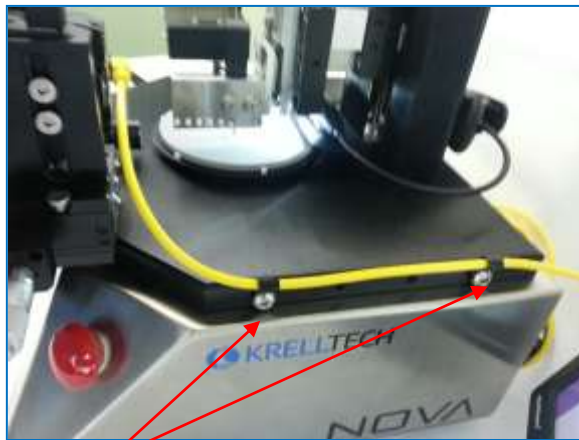
1a. Slide the videoscope module onto the positioning rail using the dovetail interface on the bottom side of the module.



Threaded rods

Standoffs

1b. If the positioning rail is not installed, first screw the threaded rods into base plate, followed by placing standoffs over the rods. Then attach rail with mounting screws.



Cable straps

2. If desired, use the cable straps for managing and routing the yellow video cable

Video control box

Control box AC adapter

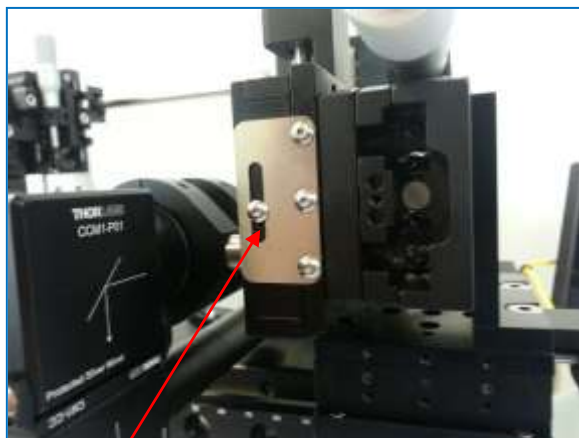
Video "In" from videoscope adapter



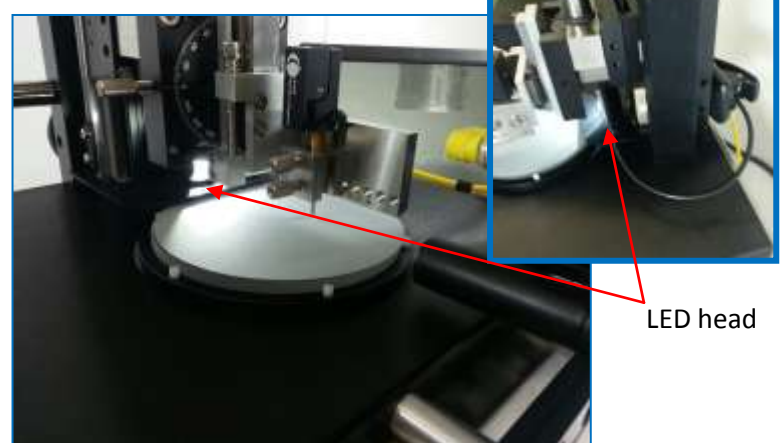
Monitor AC adapter

BNC from control box

3. Make video connections to monitor as illustrated above. NOTE: Use Velcro™ strip on back of monitor to secure the video control box.



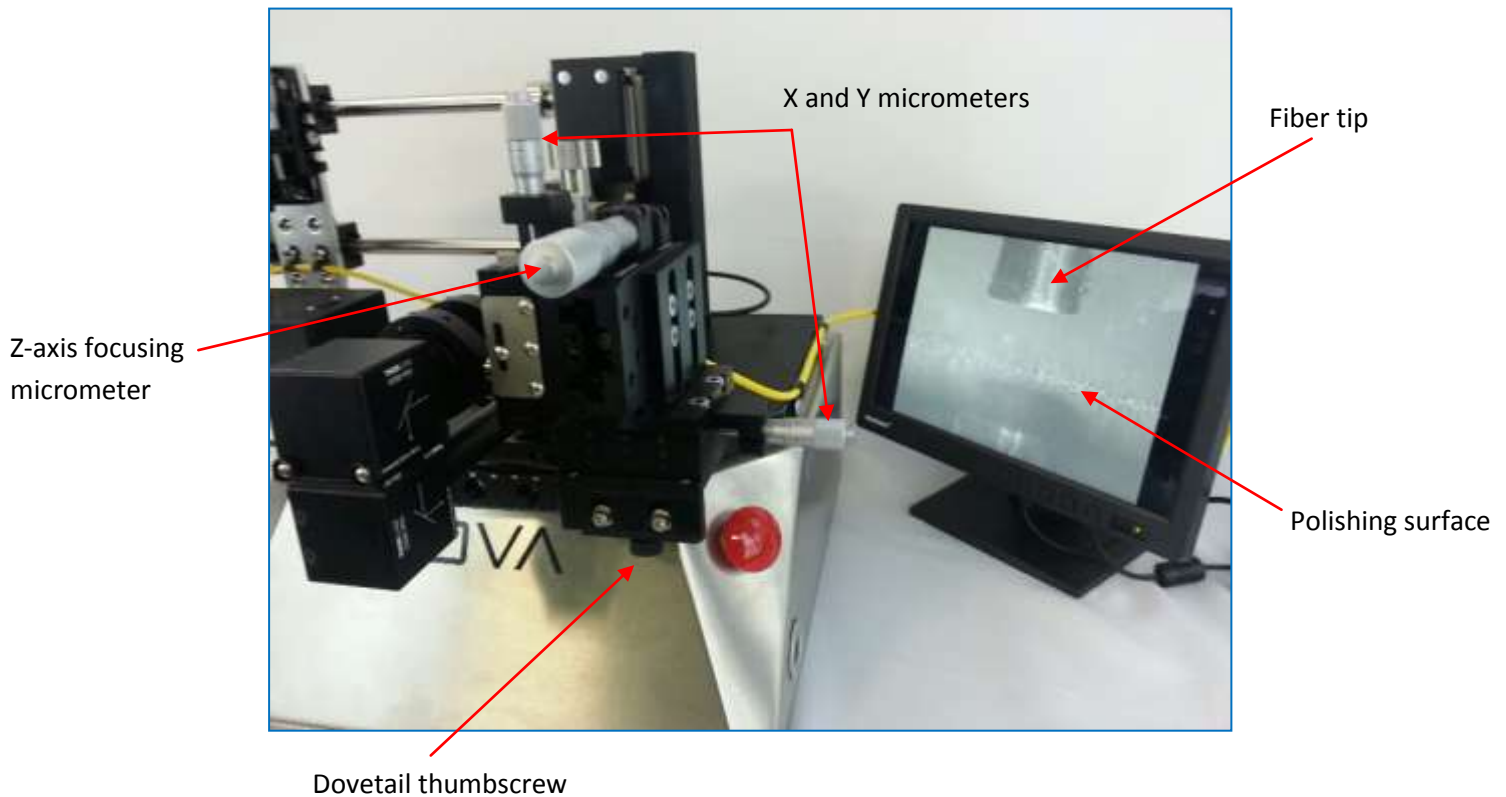
4. Loosen (but do not remove) the set screws located on the 2 translation stages (Note: one is not illustrated)



LED head

5. Using the magnet, secure the LED base behind the polisher's main Z-stage. Position the LED head on top of the platen guard such that it "back-illuminates" the ferrule relative to the profile scope lens.

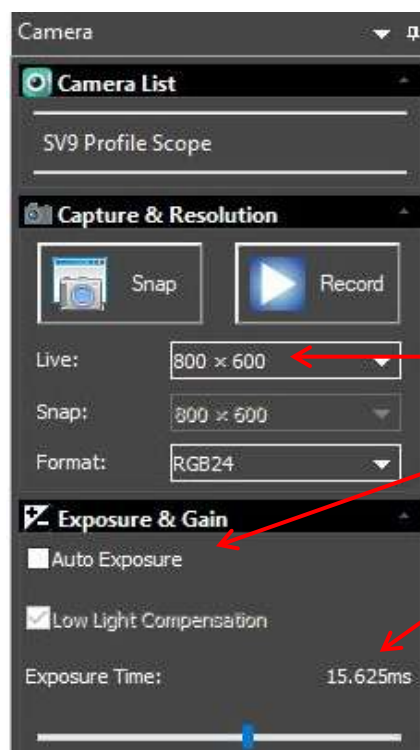
System Operation



1. Lower the ferrule tip just above the polishing surface using the “Manual Control” mode.

Loosen the thumbscrew on the bottom of the dovetail interface and slide the scope until it “coarsely” aligns with the fiber (protruding from the ferrule tip) located just above the polishing surface. Lightly lock the thumbscrew.

Use the X and Y micrometers for finer positioning. The Z-axis micrometer is used for focusing.



Suggested video settings:

Resolution “Live”: 800 x 600

Auto Exposure: “OFF”