

NOVA™ Automated Polishing System

Function Selection Information:

1. Mainbody:

NV-100 , this is a must for NOVA.

2. Waveguide/Chip/FA/PIC/Lens polish:

Component dimension:

Width: 5-25mm

Thickness: 0.5-5mm

Length: >5mm

Polish angle: 0-45 degree from vertical Y axis (Special angle customized)

Special dimension/angle customized

Please specify whether this function is needed or not

3. Bare Fiber/Ball Lens polish:

PC/APC endface

Angle range: 0-50 degree from vertical Y axis, if angle exceeding this range, special extender needed, angle can go to 80 degree

Fiber size: 80um - 3mm

Please specify fiber sizes to be polished, ferrule size meet fiber size, which means 125um fiber size, one ferrule, 250um fiber size one ferrule

Please specify angle of the fiber tip, we need to decide whether extender is necessary.

Please specify whether ball lens polish is needed or not , if yes, please specify the fiber size

4. Cone Shape tip Bare Fiber Polish (maximum four fiber to be polished at same time):

Fiber size: 80um - 3mm

Angle range: 0-50 degree from vertical Y axis, if angle exceeding this range, special extender needed, angle can go to 80 degree

Please specify fiber sizes to be polished, ferrule size meet fiber size, which means 125um fiber size, one ferrule, 250um fiber size one ferrule

Please specify angle of the fiber tip, we need to decide whether extender is necessary.

Please specify how many cone shape tip bare fiber to be polished at same time, multi position fixture is different with single position. Single position module can be installed onto waveguide module , but multi position need separate fixture.

Note: Cone shape ferrule and extender can be shared with item 3, but ferrule need to shift from bare fiber adapter and cone shape module , if budget not limited, can order more ferrule to avoid frequent shift between.

5. Connector Polish

Capacity: 2/4/6/8 position fixture option, uniform/hybrid

Type of connector: LC/SC/FC/SMA905/1.25mm ferrule/2.5mm ferrule, All industry standard connectors Mil-spec termini and ferrules

Endface: PC/APC

Please specify PC/APC, type of connectors, how many positions, uniform or hybrid for quotation

6. Microscope:

SV9 : Profile Inspection scope

SV10 : In-Line Surface Inspection scope

Above two scope is recommended to equipped with NOVA, while is necessary , two SV9 need to equipped

Note: NOVA came with one laptop computer to work with SV9 and SV10, but another laptop is recommended for customer to buy by himself, as with both computers , no need to shift from SV9 to SV10 and vice versa.

Following pictures shown shapes of bare fiber and ball lens polish by NOVA for customer's reference.



角透镜



锤透镜



楔透镜



斜楔透镜



球透镜



半球透镜