

14 Years

Manufacturer & Supplier of Professional Fiber Optic Cabling System

*Products & Services & After sales services*



# Wirenet Telecom Technology Co., Ltd

深圳威尔特通信科技有限公司

2023 VERSION

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WIRENET TELECOM TECHNOLOGY CO., LTD

# Fiber Optic Equipment for Production Line

WIRENET FIBER CABLE PRODUCTION EQUIPMENT SERIES



# Catolog

- Fiber optical polishing machine
- Fiber optical testing
- Cutting machine
- Crimping machine
- Heat oven
- Automatic optical cable stripping machine
- Jig for square pressure polishing machine

WIRENET

FIBER OPTIC PRODUCTION EQUIPMENT



# FIBER OPTIC POLISHING MACHINE&JIG

## ORDERING INSTRUCTION



version:2023



### FIBER OPTIC POLISHING MACHINE

\*square pressure

#### Application:

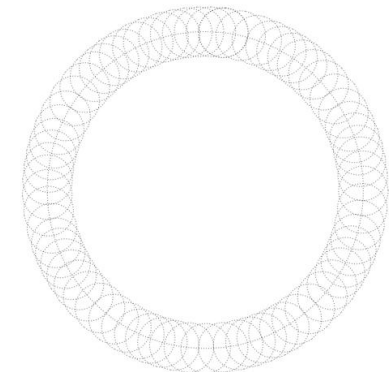
These Square Pressure Fiber Optic Polishing Machine strength controlled by four angle, thus the pressure is more precise to control and the final products has higher precision. For PC terminations above 95% could pass 3D interferometer test, while for APC terminations this rate keep 90%. Each polishing jig for this machine is available as LC,SC, ST,FC,MTRJ,E2000 PC connector as well as angle polishing. May process each kind of standard fiber optic connectors, such as FC/UPC/APC,SC/UPC/APC, ST/UPC/APC, LC/UPC/APC, ,MU/UPC/APC, MTRJ,E2000/UPC/APC etc.



WT-CX-20A



WT-3130





## FIBER OPTIC POLISHING MACHINE

\* square pressure

### parameter:

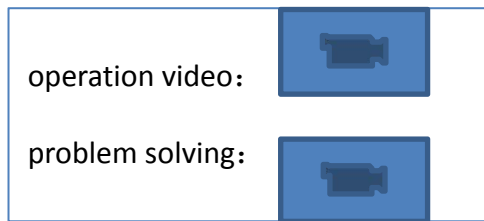
way for pressure: for cornered  
connector to polish per pad: 18~40pcs connector  
dimension:240×240×260mm  
suitable size of the polishing pad :127mm  
rotation speed: 90rpm  
time setting : 99m 99s (max)  
input power supply:220~230VAC 50Hz/60Hz  
power:40W  
working temperature: 10~40°C  
net weight: 25kg

### Characteristics:

1. Convenience for adjusting pressure, unloading and replacing jigs.
2. Excellent connector and face polishing quality, the percentage of products sent back for repair is very low.
3. Save material and low cost for grinding.
4. Easy to use and stable.
5. Display grinding speed which can be adjusted any time.
6. Control the direction with pro and con, convenience for Adjustment.
7. Toothed gearing, more stable and deep-set.

### allocation:

1 production line will need about 12 worker, and 3~4 polishing machine to reach the highest production efficiency

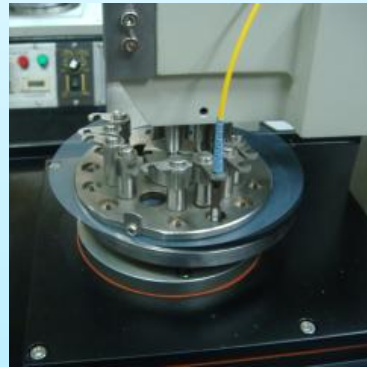


## WT-CX-20A&WT-3130



# Fiber optic patchcord Production Line

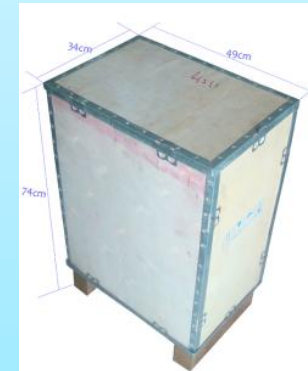
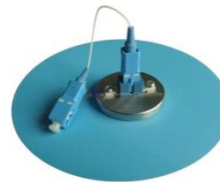
**machine (polishing)**  
center pressure



**Polishing Jig**  
center pressure



**Polishing Jig**  
center pressure



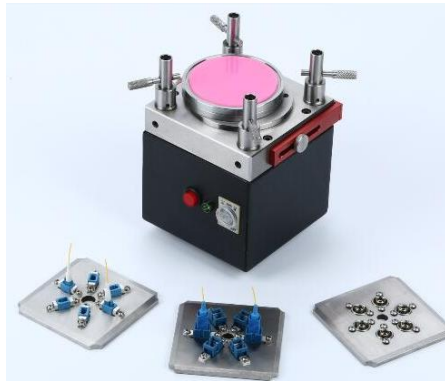


# Fiber optic patchcord Production Line

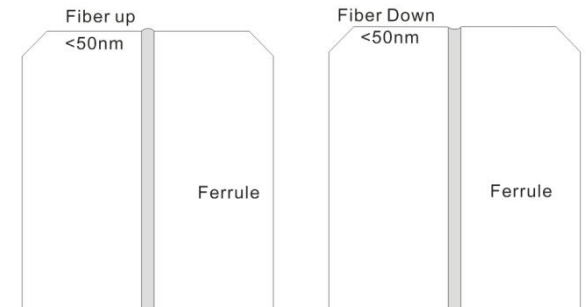
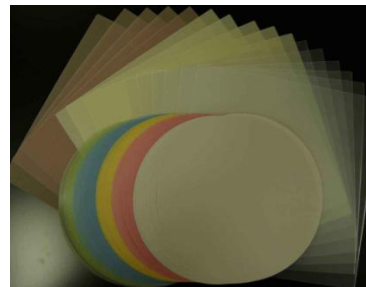


## machine (polishing)

Mini Portable engineering grinder



## Hand polishing







# Fiber optic patchcord Production Line

## Fiber Microscope



## Easycheck Integrated Fiber Endface inspector



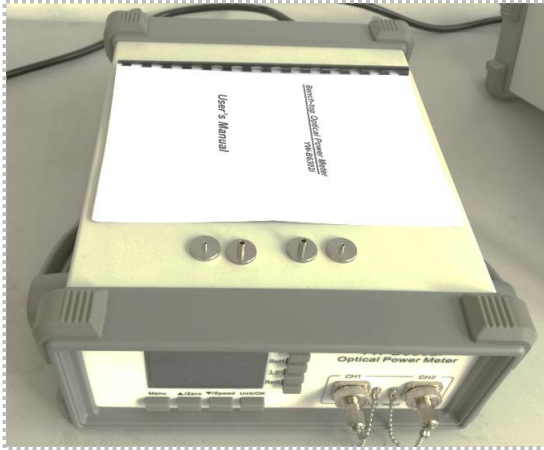
80/200/400X Video Fiber Microscope

Hand-held Inspection Probe



# Fiber optic patchcord Production Line

## IL&RL tester



Mandel free IL&RL tester /High power reception, suit for uniboot patchcord

Test port can be customization



High power reception,for PLC WDM pigtail test



SM/MM IL&RL tester

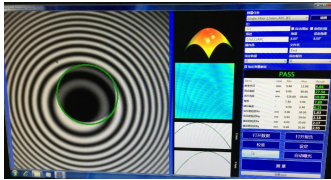
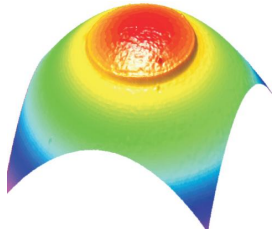


## Introduction:

### FIBER OPTIC TESRING



Fiber endface interferometer is used to measure radius of curvature, Apex Offset, Fiber Height, polishing angle and key error of APC connector and roughness parameters of the endface. The software of can show the 3D surface topography of the connectors clearly.







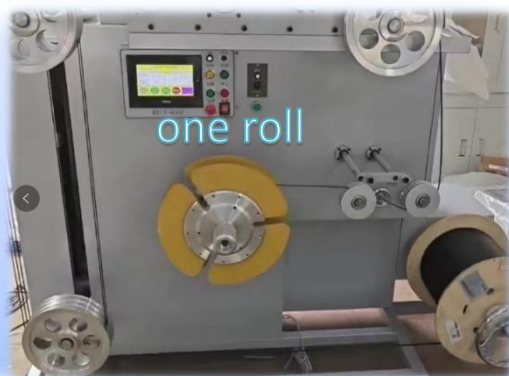
## FIBER OPTICAL CUTTING MACHINE



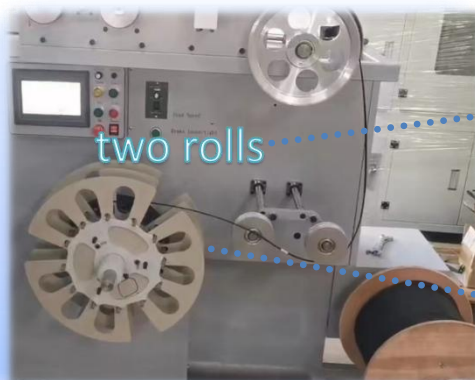
Fiber optic cable cutting machine  
0.9~4.0mm/ WT-X20



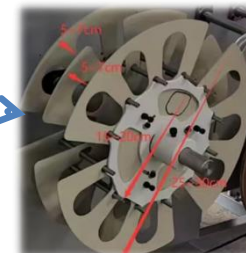
Fiber optic cable cutting machine  
0.9~7.0mm/ WT-X20D



Fiber optic FTTH drop cable cutting machine  
2.0\*3.0mm indoor or 2.0\*5.0mm outdoor cable  
/WTTX-600P



Fiber optic FTTH drop cable cutting machine  
2.0\*3.0mm indoor or 2.0\*5.0mm outdoor cable  
/WTTX-600P





Smart touch screen,easy operate

Automatic gluing machine





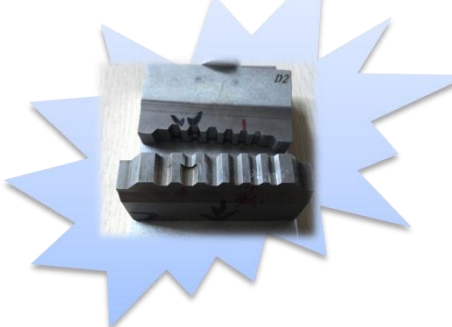
# Fiber optic patchcord Production Line

## Crimping machine Heavy Duty High Tension Crimp



WT-ZXYD003

Type: Hydraulic crimping machine  
Pressure: 1000kg  
Pressure mode: vertical, SC/FC crimp ring and circular ring are formed in one step



WT-ZXDD004

*Quiet, Fast, Countable*

Type: Voltage Crimping Machine  
Pressure: 1500kg  
Pressure mode: vertical, SC/FC crimp ring and circular ring are formed in one step

## Crimping machine Micro Ordinary Crimp



WT-WXQD001

Type: Pneumatic crimping machine  
Pressure: 500kg  
Pressure method: lever type



WT-WXQD002

Type: Pneumatic crimping machine  
Pressure: 500kg  
Pressure mode: vertical





# Fiber optic patchcord Production Line

## FIBER OPTICAL HEAT OVEN



WTCO-W40/1.25 2.5 ferrule LC SC FC ST



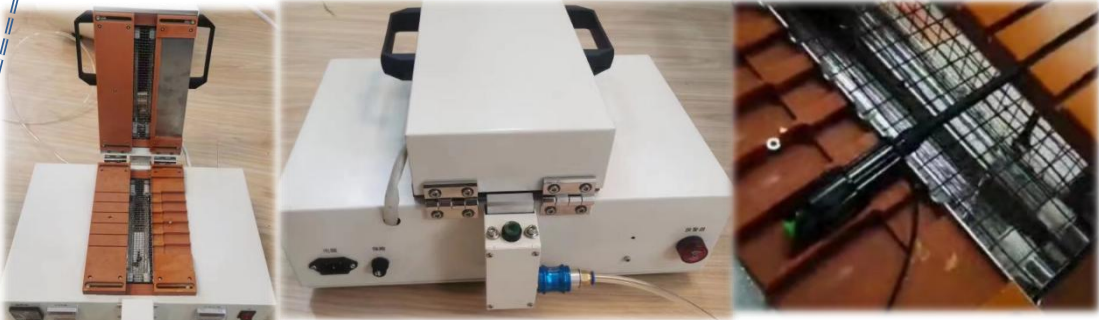
WTCO-W100/1.25 2.5 ferrule



WTCO-L48/1.25 2.5 ferrule



WTCO-DZ-XX-XX/MPO FA ferrule glue heating ;  
LC SC FC ST connector heating board can be customized



WT-Tushink08A/ Shrinkable Tube Curing Oven

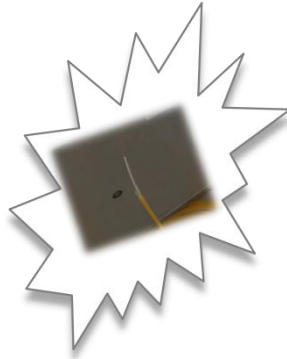


WTCO-mini24/1.25mm SST tube  
or 2.5mm SST tube optional



## Equipments and tools used in producing patch cord

### Fiber Optic Automatic Cable Stripper Machine ( Indoor cable 2.0/3.0mm)



- The machine is mainly used for stripping of 2.0 and 3.0 indoor optical cables in the optical communication industry.
- The machine is adopt PLC control system, can be precise and fast.
- The touch screen is easy to operate, easy to learn, and easy to understand.
- Fast for Stripping, shearing, cutting, stable performance, high precision, easy to adjust length(25mm~38mm)
- About 1200pcs~1800pcs qty per hour for Stripping, shearing, cutting cable.
- Improve the traditional stripping with the pedaling by foot and press by hand method, and evolve into a direct insertion method, which is the best model that saves physical strength and improves efficiency.
- The operation adopts the front and rear moving and despooling method. Normal indoor 2.0 and 3.0 optical cables can be used in this machine, no need to change the cutter, and there is no pinching of the fingers.
- Also have two cutters design, strip and cut kevlar once, high precision and fast stripping, the air blowing device can automatically remove the kevlar which left after stripping.

### Fiber Optic automatic fiber heat stripper ( 0.9/0.25/Riboon fiber)

- The machine is mainly used for 0.9mm indoor optical cable with fiber to strip fiber
- The machine adopt PLC control system, can be precise and fast.
- The touch screen is easy to operate, easy to learn, and easy to understand.
- It's adopt heat stripping method to strip fiber, will not damage fiber, several fibers can be stripped at the same time, fast, stable performance, high precision, easy to adjust length(10mm~20mm)
- The amount of fiber stripping per hour from 800 to 1200.
- The operation adopts the front and rear movement despooling method, and the mode 1 and mode 2 modes are required for different fiber stripping lengths, and the replacement of the cutter is convenient, and there is no worry about pinching the fingers.





## \*Automatic Optical Cable Stripping Machine For duplex/simplex able



WTBT-3000

### Description:

The smart automatic 3-in-1 function can realize the simultaneous completion for processes of "Cable-peeling---Kevlar-shearing-- Outer-sheath-splitting" at the same time by just one action.



2.0mm single or duplex fiber cable jacket stripping - Kevlar cutting - outer sheath splitting at same by just one action.



3.0mm single or duplex fiber cable jacket stripping - Kevlar cutting - outer sheath splitting at same by just one action.



1.6 - 3.0mm single or duplex fiber cable jacket stripping - Kevlar cutting at same by just one action.



3.0mm MPO round fiber cable jacket stripping - Kevlar cutting at same by just one action.





ordering instruction

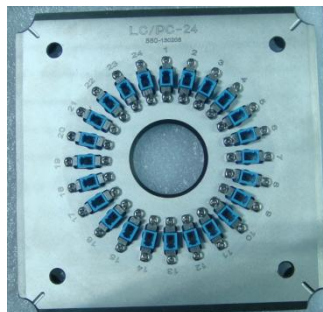
## JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

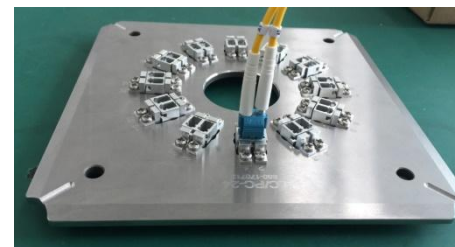
### LC/UPC Connector



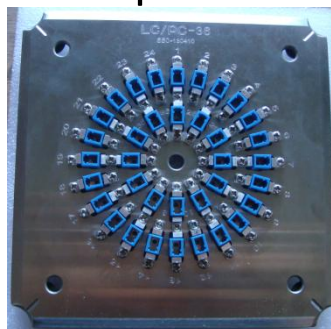
24 port



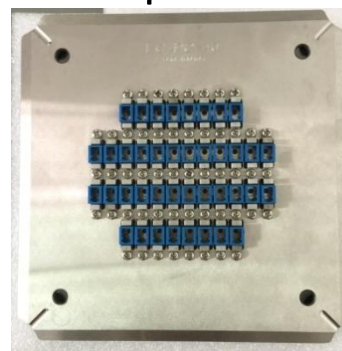
24 port (LC DX)



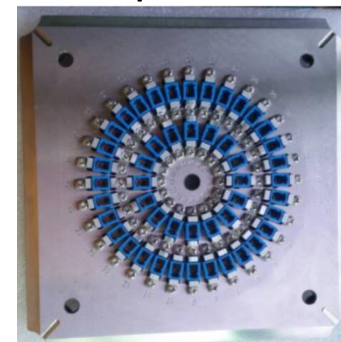
36 port



40 port



48 port



suitable connector: LC/UPC Connector

jig material: HKL2316

consumables: polishing pad, polishing film



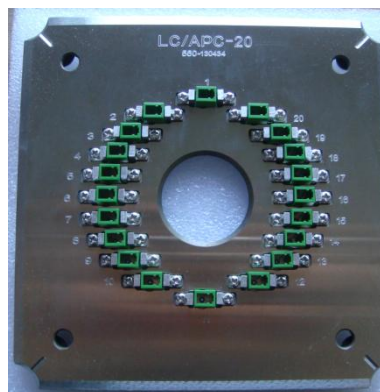


### JIGS FOR SQUARE PRESSURE POLISHING MACHINE \* customization is available

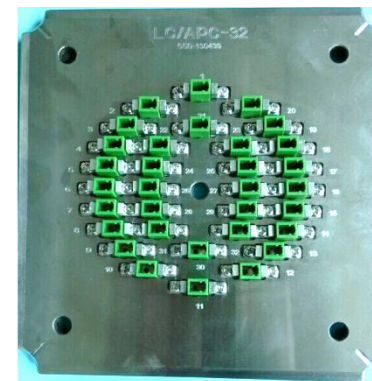
## LC/APC Connector



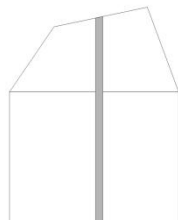
20 port



32 port



suitable connector: LC/APC Connector 8 degree  
jig material: HKL2316  
consumables: polishing pad, polishing film





## JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

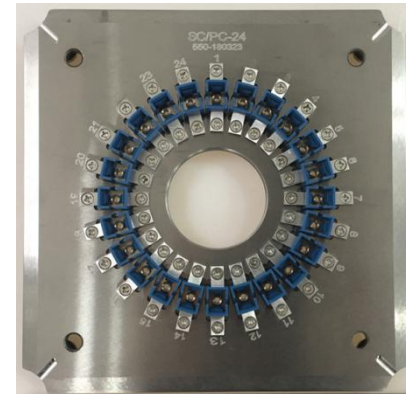
### SC/UPC Connector



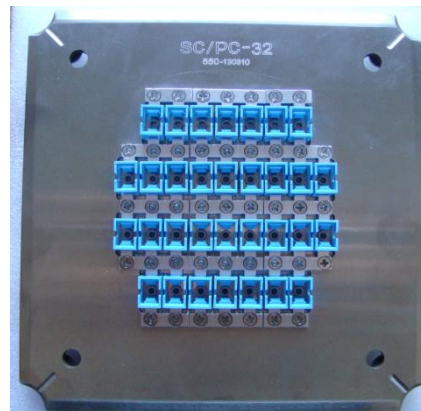
suitable connector: SC/UPC Connector  
jig material: HKL2316  
consumables: polishing pad, polishing film



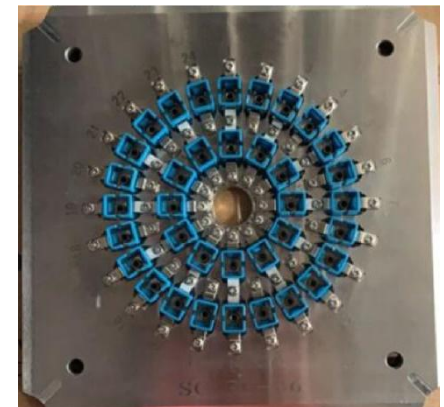
24 port



32 port



36 port







### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

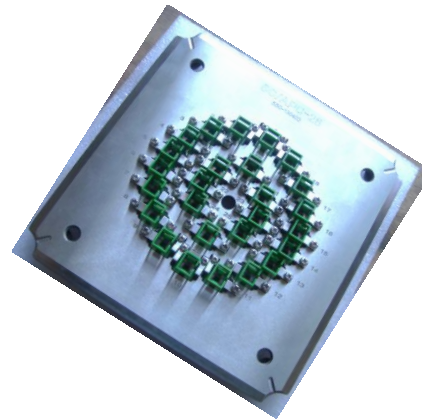
### SC/APC Connector



18~20 port



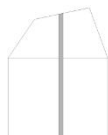
26 port



36 port



suitable connector: SC/APC Connector 8 degree  
jig material: HKL2316  
consumables: polishing pad, polishing film





### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

### FC/UPC Connector



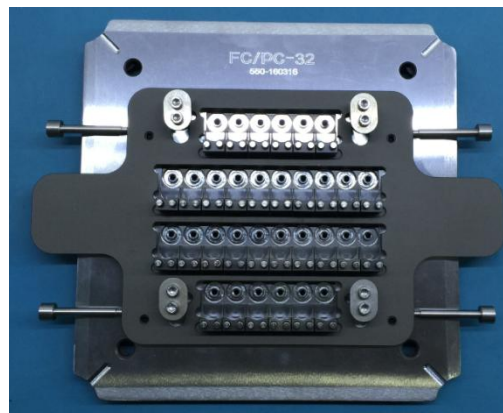
suitable connector: FC/UPC Connector  
jig material: HKL2316  
consumables: polishing pad, polishing film



20~24 port



32 port quick type



36 port





### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

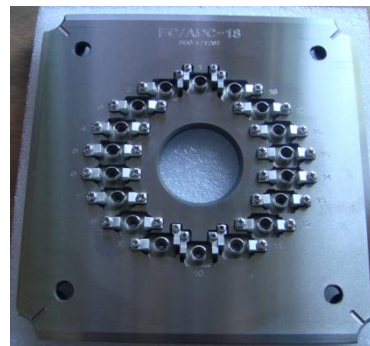
### FC/APC Connector



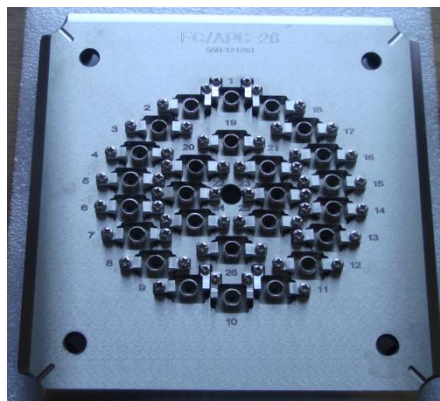
suitable connector: FC/APC Connector 8 degree  
jig material: HKL2316  
consumables: polishing pad, polishing film



18 port



26 port



36 port





### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

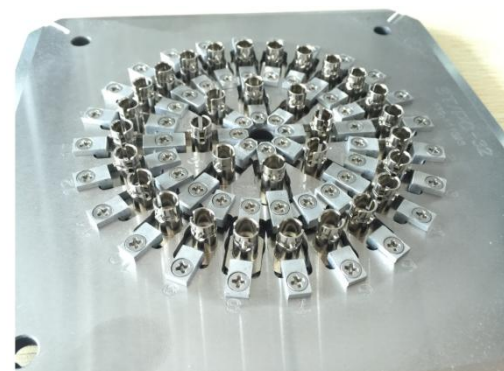
#### ST/UPC Connector



20~24 port



32 port



suitable connector: ST/UPC Connector  
jig material: HKL2316  
consumables: polishing pad, polishing film







# JIGS FOR SQUARE PRESSURE POLISHING MACHINE

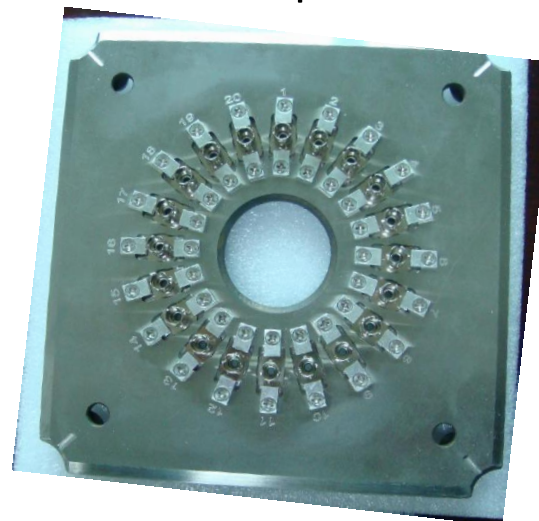
\* customization is available

## ST/APC Connector



suitable connector: ST/APC Connector 8 degree  
jig material: HKL2316  
consumables: polishing pad, polishing film

18~20 port





### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

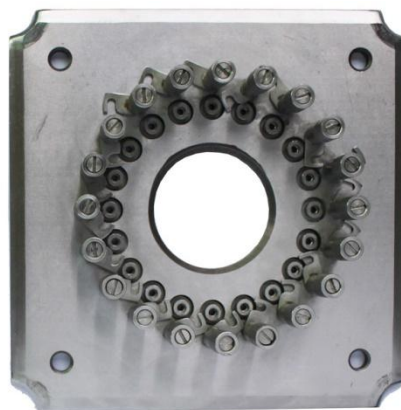
#### 2.5mm/UPC Ferrule



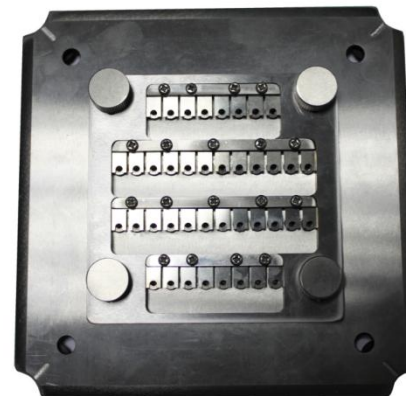
suitable connector: 2.5mm ferrule  
jig material: HKL2316  
consumables: polishing pad, polishing film



20 port



40 port







### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

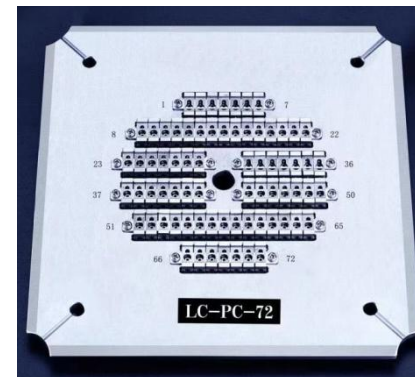
## 1.25mm/UPC Ferrule



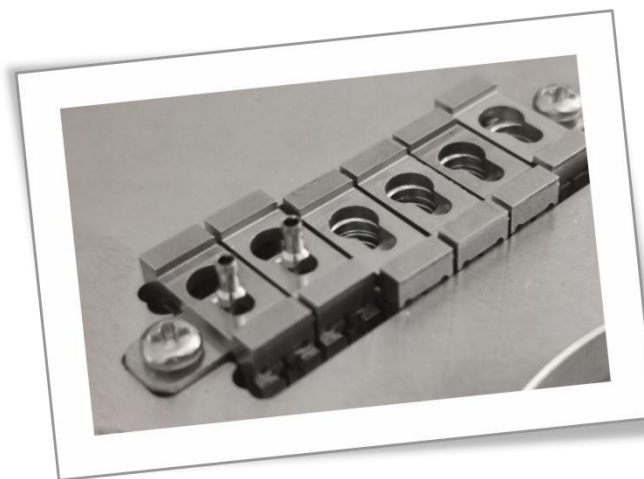
suitable connector: 1.25mm ferrule  
jig material: HKL2316  
consumables: polishing pad, polishing film



36 port fast jig



72port fast jig



Independent  
installation



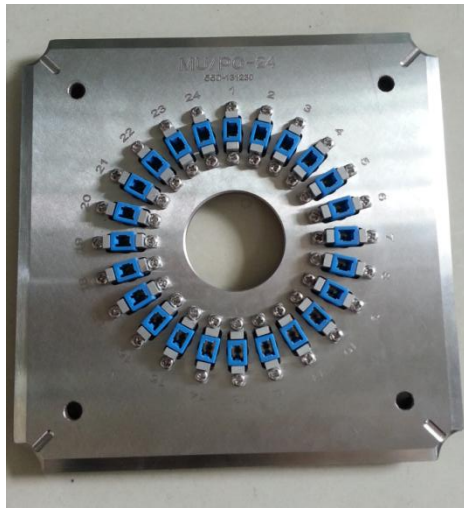
### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

### MU/UPC Connector



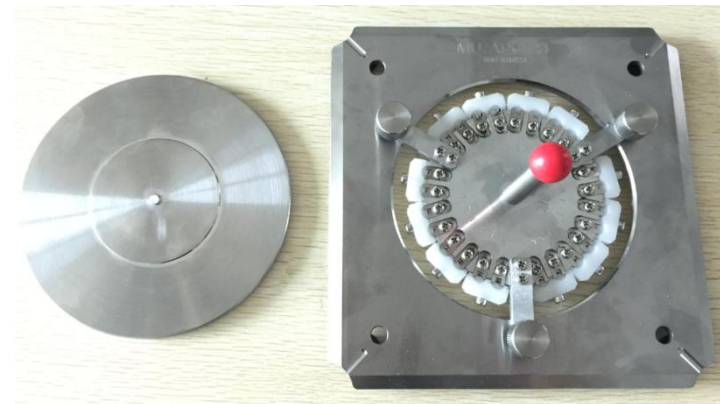
24 port



### MU/APC Connector



24 port





### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

### DIN/UPC Connector



24 port



suitable connector: SMA connector  
jig material: HKL2316  
consumables: polishing pad, polishing film





JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

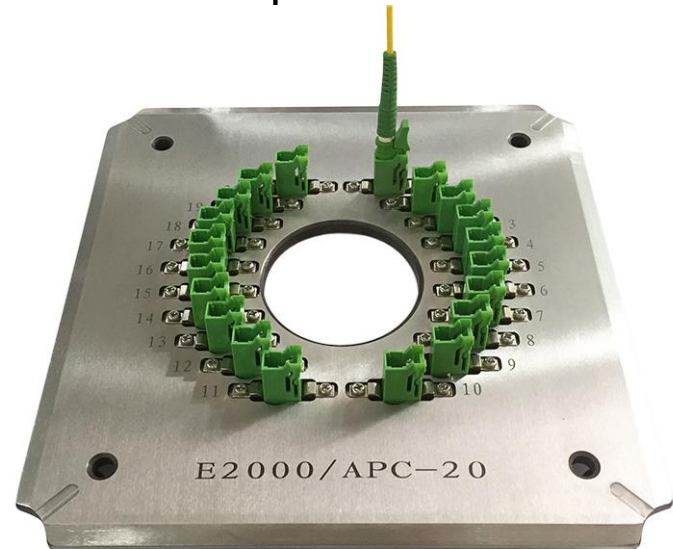
E2000/UPC  
Ferrule

18 port



E2000/APC  
Connector

20 port

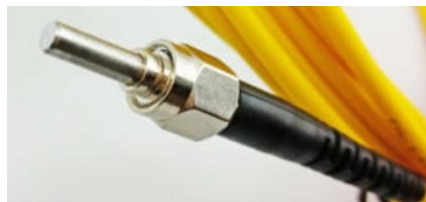




## JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

### SMA/UPC Connector



24 port



suitable connector: SMA connector  
jig material: HKL2316  
consumables: polishing pad, polishing film







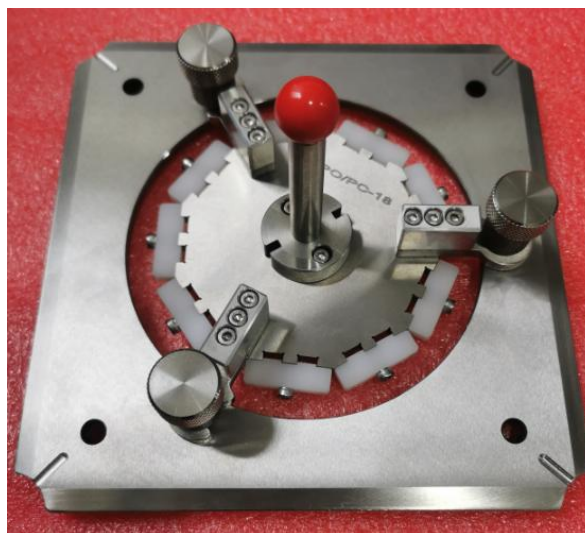
## JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

### MT/UPC Ferrule



suitable connector: MT ferrule  
jig material: HKL2316  
consumables: polishing pad, polishing film



18 port





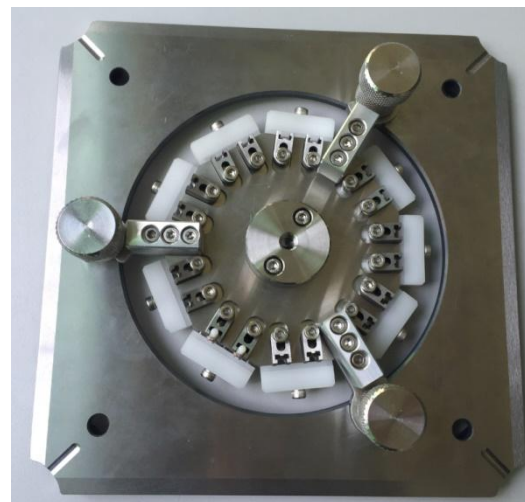


### JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

## Attenuator Ferrule

18 port



suitable connector: SC/FC/LC Attenuator ferrule  
jig material: HKL2316  
consumables: polishing pad, polishing film





## JIGS FOR SQUARE PRESSURE POLISHING MACHINE

\* customization is available

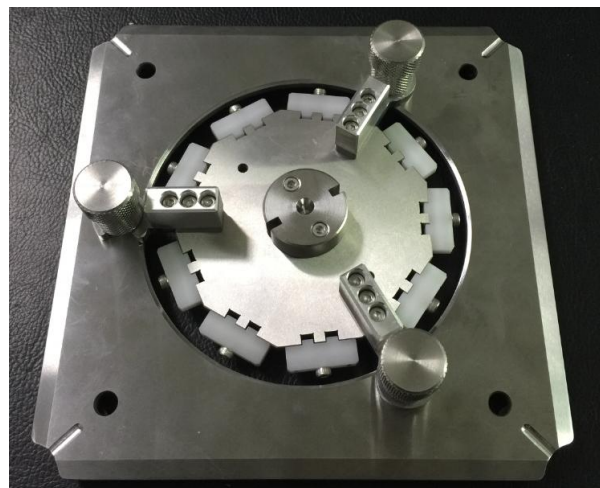
### MTRJ Ferrule

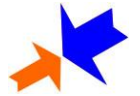


suitable connector: MTRJ ferrule  
jig material: HKL2316  
consumables: polishing pad, polishing film



18 port





### HAND-POLISHING JIG

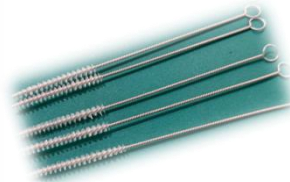
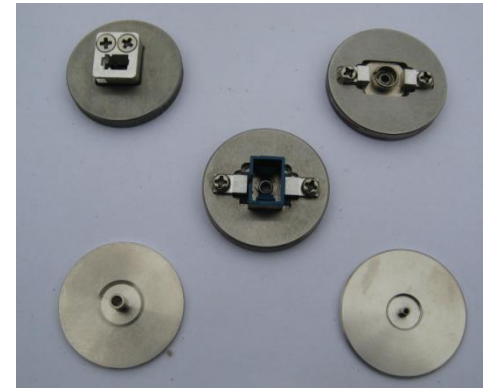
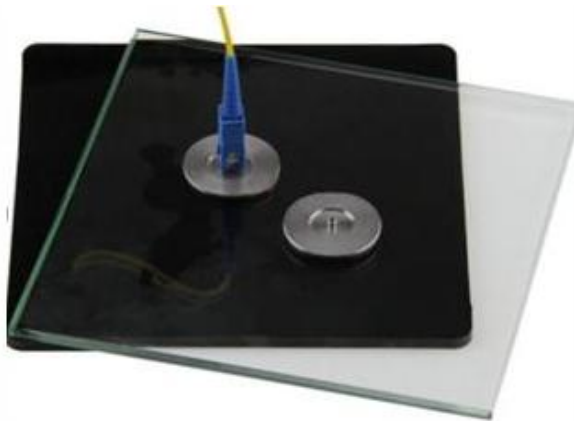


Figure 1 Thorlabs Fiber Optic Assembly Items

suitable connector: LC SC FC ST UPC&APC  
jig material: HKL2316  
consumables: polishing pad, polishing film

