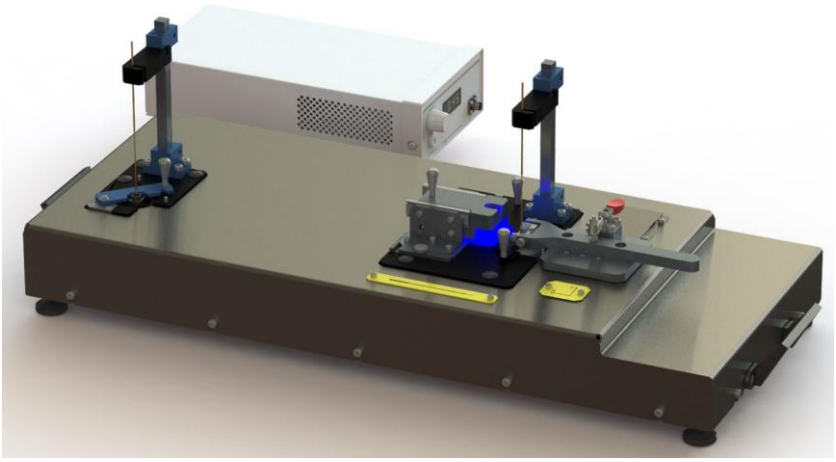
OPTICAL FIBER CONNECTORS
ACTIVE ALIGNMENT MACHINE

DATASHEET ISP 19A1014FPI0011 - B

Update : 24/02/2021



Photodiode station *Alignment & assembly station*

1 - Application

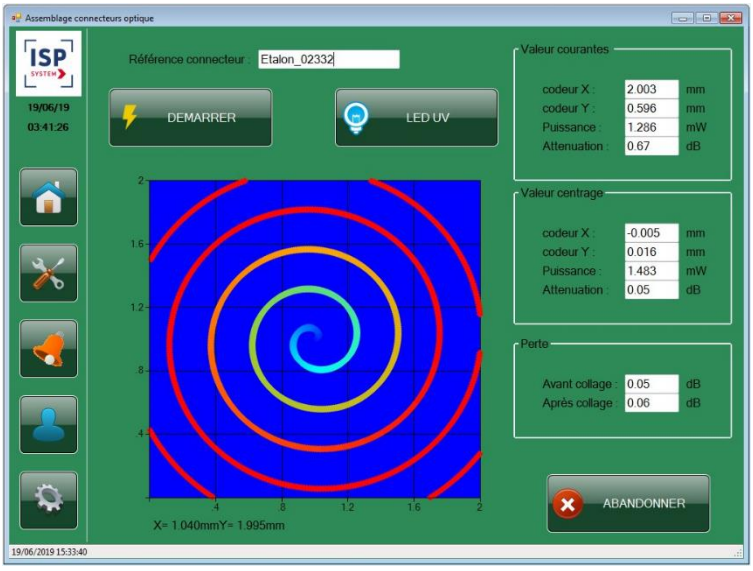
The fiber optic connector assembly machine performs the following functions:

- Active alignment of an optical fiber with respect to a ferrule / lens / connector.
- Curring of the optical fiber (in ferrule and connectors) by UV diodes.

2 - Description

The ferrule clamp is indexed on a two-axis positioner allowing the optical fiber to be precisely aligned with respect to a light interface.
The axes are slaved on a light source and photodiode assembly.

The attenuation of the assembly in progress is measured in real time: during alignment, before gluing, during gluing, after gluing.

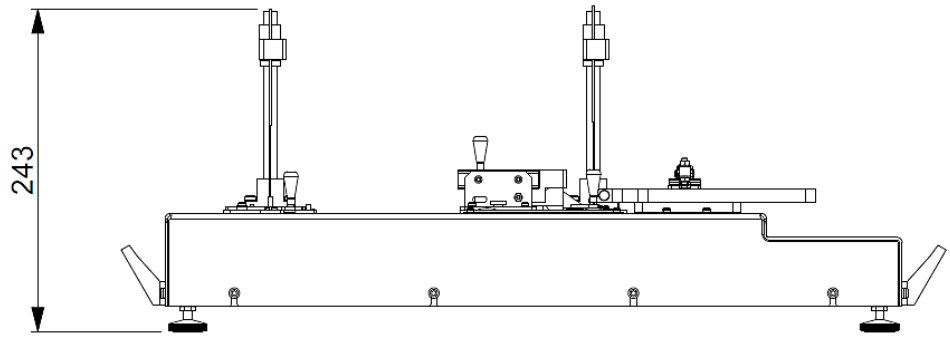


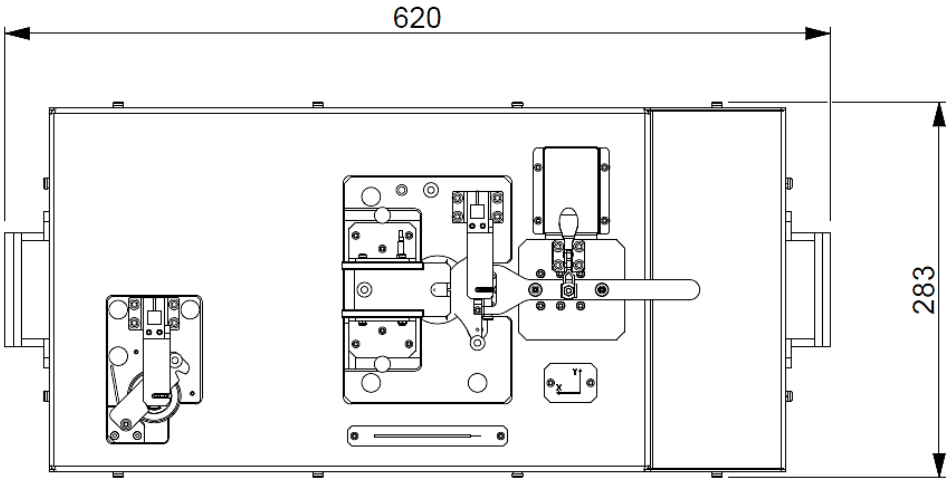
HMI view

3 – Technical data

CHARACTERISTICS	SPECIFICATIONS
Power supply:	220V single phase
Axis stroke:	± 2,5 mm
Axis resolution:	0,1 µm
Light source:	1,5 mW @1 310 nm (adaptable as needed)
Photodiode resolution:	1,2 nW @1 550 nm (adaptable as needed)
UV diodes:	1 400 mW/cm² @365 nm
Dimensions (L x l x H) :	620 mm × 290 mm × 250 mm
Mass:	10 kg
Piloting:	By PC (software supplied)
Pilot interface:	USB

4- Dimensions (mm)





ISP SYSTEM
Z.I. de la Herray – B.P. 10047
65501 VIC-EN-BIGORRE - France
+33 (0)5 62 33 44 44
contact@isp-system.fr
www.isp-system.fr

Capital de 1 000 000 € - SIRET : 410 675 078 00027 – APE : 7112B – TVA : FR 19 410 675 078