



ST-2010 Fused Bi-conic Taper(FBT) System

Description

ST-2010 Fused Bi-conic Taper(FBT) System, is an automatic controlled coupler working station, which integrates Electronic, Precision Processing, as well as Computer technologies, can meet various function requirements: Manufacturing, Testing, Monitoring & controlling, With its easy-to-use character, 2010 FBT system were widely used for manufacturing splitters, couplers, WDMs, CWDMs and so on. As time goes by, FBT technology has become the basic technology for optic fiber coupler fabricating, higher and higher precision machine (coupler workstation) has emerged to deal with more and more demands on high quality, high precision and high stability optic fiber couplers. Such as dual-windows broadband fiber splitters, high isolation WDM units, and a lot of other new components.

Features

High-capacity, high reliability, flexible Manufacturing
High-precision, large-scale, multi-wavelength online measurement
Real-time monitoring. East-and-quick positioning
"nm" level breakdown of micro-level drive
Mechanical precision, ultra-smooth operation, shock-proof design
Modular design, easy maintenance and upgrade
Additional low loss, good consistency of Products
Windows-based software package, user-friendly, convenient operation, powerful
The use of hydrogen generation device to eliminate potential safety problems
High precision of splitting ratio, Good environmental stability



Application

Fiber pull machine

Optical power monitoring meter

Hydrogen gas flow controlling devices

Ultraviolet Light Solidified Device+Manual encapsulation

Automatic encapsulation heating solidifying.Computer for controlling

Model	ST-2010
Application	Standard Coupler Wide-band Coupler WDM Coupler Special Coupler

Product Specifications

Movement Resolution Of Fiber Chucks	0.001um/um/Step
Pulling speed(one side)	0-400um/sec
Stroke Length Of Fiber Chucks	25-100mm
Pre-Pulling	0.001-10mm
Movement Resolution Of Torch Unit	3 axes 1.5mm/step
Hydrogen Flow Control	0-300 sccm
Pre-Package Unit	Auto
Curing Temperature Of Pre-Package Unit	Continuous Adyustment
Photo Detectors	φ2mm InGaAs
WaveLength Range	850nm-1650nm
Power Meter Range	+3dBm - -70dBm
Power Meter Accuracy	±5%(-10dBm,23℃)
Power Meter linearity	±0.02dB(+3dBm - -60dBm)

Electrical and Mechanical Specifications

Dimension(w×d×h)	558×398×250
Voltage Supply	110VAC or 220 VAC 50/60Hz
Power Consumption	320W