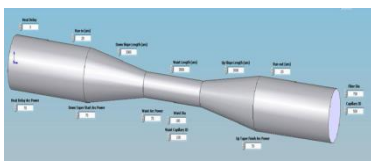


Nano-fiber Tapering System (XQ71B0)

☆ Product Description:

XQ71B0 is mainly for fabricating nano-fiber in optical fiber sensing area. In order to make sure the consistency of tapering nano-fiber, Nano-fiber tapering machine uses German high precision lead screw and guide rail, the diameter of cone area can be less than $1\mu\text{m}$, cone length is 4~10cm, it is very suitable for scientific research in colleges and universities and other research areas. XQ71B0 is stable and reliable, easy to use.



☆ Technical Specifications:

Parameters	Units	Values
Taper length	mm	18~70 / 18~200
Scanning width	mm	± 20 / ± 50
Taper speed	$\mu\text{m} / \text{s}$	0~1000
Taper accuracy	μm	0.1
Scanning accuracy	$\mu\text{m}/\text{step}$	0.8
Motion accuracy of packaging stage	mm/step	0.02
Range of H2 gas flow	sccm	0~300
Range of O2 gas flow	sccm	0~100
Photo detector	-	InGaAs
Wavelength	nm	800~1700
Dynamic range of optical power detection	dB	-60~+3
Resolution of optical power detection	dB	0.01
Operation environment	-	Temperature: $23\pm 2^\circ\text{C}$ / Humidity: 50~60%RH
Power supply	-	AC100~240V/50~60Hz/5A
Dimensions (L×W×H)	mm	610×496×270 / 800×550×250

☆ Ordering Information:

Product Type	XQ71B1	XQ71B2
Application	Fabricate Normal Nano-fiber	Fabricate Lengthened Nano-fiber
Configurations	Tapering Platform (18~70mm) 1 Channels PD	Tapering Platform (18~200mm) 1 Channels PD

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