

Graphite Fiber Tapering System (GTS-20)

Product Description

The GTS-20 series graphite fiber tapering system is a professional processing equipment for R&D and production of ultra-high power signal combiners and pump combiners. It is suitable for tapering processing of optical components with various fiber specifications (especially large-core fibers) in optical communication and laser technology. Featuring high processing precision, stability and cost-effectiveness, it can effectively improve production efficiency and product consistency.



Features

- Cost-effective “Ω” shaped graphite filament as heating element
- Dual-CCD vision system
- Automatic cone modeling, saving, editing and recalling
- Co-directional and reverse tapering modes

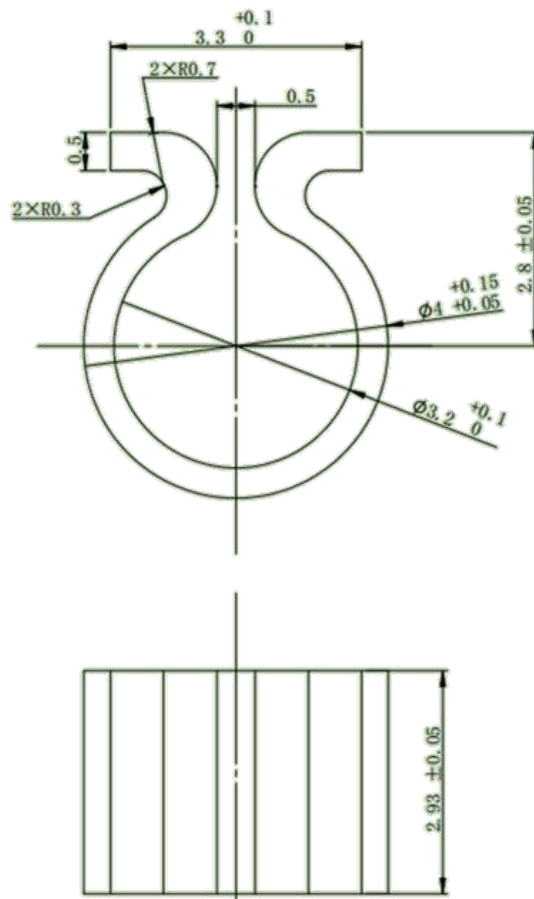
Specification

Parameter	Unit	Specification
Tapering length	mm	0~150
Tapering displacement accuracy	μm	±0.1
Compatible processing size	-	T4 graphite filament: up to $\phi 1500 \mu\text{m}$ tube; T6 graphite filament: up to $\phi 2500 \mu\text{m}$ tube
Graphite burner X-axis travel	mm	0~100
Graphite burner Z-axis travel	mm	0~10
Graphite heating power	W	30~400
Tapering direction	-	Left or reverse
Operating humidity	%RH	50~60
Atmospheric pressure	kPa	70~106
Power supply	V/Hz	AC 110~220 / 50~60
Dimensions (L×W×H)	mm	736×1027×1418

Standard Accessories List

Accessory	Model	Unit	Qty
Graphite fiber tapering system (with computer)	GTS-20	set	1
Fiber holder	Customized per request	pair	1
Graphite burner	(T4/T6 optional)	piece	1
Certificate of conformity	/	copy	1
Warranty card	/	copy	1
User manual	/	copy	1
Wooden packing case	/	piece	1

Mechanical Dimensions of T6 Extra Large Graphite Heating Filament



Mechanical Dimensions of T4 Standard Graphite Heating Filament

