

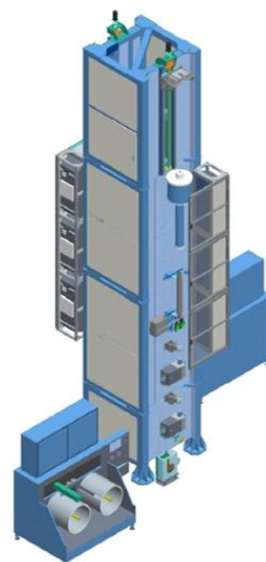
Fiber Drawing Tower

■ Product Description

Fiber Drawing Tower is an automatic control equipment integrating light, machinery, electricity and gas. Under the protection of argon/helium atmosphere, the glass preform is locally heated and softened by heating furnace, and the optical fiber is drawn by double roller drawing method. It consists of mechanical system, electrical system, software control system, gas circuit system, waterway system and other parts.

■ Product Features

- The control-software is independently developed, with strong scalability, remote automatic control and intuitive and simple operation
- Adopt high precision & high stability servo motor system for mechanical motion control
- High-resolution caliper and tension measuring instrument are used to accurately control the outer diameter and tension of optical fiber
- High-quality precision pneumatic components and mass flow controller can accurately control gas pressure and flow
- Adopt high-precision flow control valve, which can accurately control waterway flow
- The upper computer adopts industrial control computer, and the lower computer adopts PLC programmable controller, which can automatically draw equal diameter optical fiber
- One Tower can integrate two drawing production line



■ Product Specifications

Indicator	Index	
Fiber Type	Communication Fiber(Sample as G.652)	Specialty Fiber(Sample as PM fiber)
Prefabricated Bar (Preform) Specification	Φ150~Φ200mm	≤Φ60mm
Drawing Speed	2500~3000m/min	1~700m/min
Drawing Temperature	1000~2500°C	
Drawing Temperature Accuracy	±1°C	
Coating Outer Diameter	Φ0.08~Φ1m	
Additional loss	<0.02dB/km	
Fiber Diameter Tolerance	±1	
lower Height	3-15m (Can customize according to your need)	
lower Weight	1~6.5T (Can customize according to your need)	