

Capabilities



vytran® Stripper and Cleaner

Thorlabs' Vytran® FPS300 Fiber Preparation Station is designed to strip and clean fibers before transferring them in a fiber holding block for further processing. The thermo-mechanical stripper uses a resistive heater located in its lower section to heat the fiber, softening the coating or buffer for stripping, and has an LED light to indicate when the heating process is complete.

The unit includes a built-in ultrasonic cleaner. Simply move the entire fiber holding block from the stripping station to the cleaning station. This holding block eliminates the need to directly handle the fiber at each step. The cleaner can be filled with user-supplied acetone or isopropyl alcohol. An LED indicator light turns off when the cleaning process is complete.

A handset controller is included for setting the thermo-mechanical stripper heating time and ultrasonic cleaner run time. Each unit is shipped with a power supply and location-specific power cord.

The FPS300 is designed to strip and clean fibers before transferring them to the LDC401 Series of Cleavers, LFS4100 Splicer, GPX4000LZ CO₂ Laser Glass Processor, GPX3400 and GPX3600 Automated Glass Processors, or GPX3800 Series of Automated Glass Processors with Integrated Cleaver for further processing. All of these units use the same fiber holding blocks and transfer inserts, allowing the fiber to be moved from station to station with minimal direct handling of the fiber and maintaining co-registration on each machine.



Features

- ◆ Strip and Clean Fibers Prior to Splicing
- ◆ Compatible with Fiber Claddings from Ø80 µm to Ø400 µm
- ◆ Strip Single or Dual Acrylate Coatings up to Ø600 µm
- ◆ Thermo-Mechanical Stripper with Adjustable Heating Time
- ◆ Ultrasonic Bath Cleans Fiber
- ◆ Compatible with a Wide Variety of Fiber
 - SM, MM, and PM Fiber
 - Capillary Tubes
 - Photonic Crystal Fiber
 - Microstructured Fiber
 - Non-Circular Fiber
- ◆ Programmable Handset Included

Specifications

Accepted Fiber Sizes ^a	Cladding: Ø80 µm to Ø400 µm Buffer: Up to Ø600 µm
Thermo-Mechanical Stripper	
Accepted Coating Materials	Single or Dual Acrylate
Maximum Stripping Temperature	~130 °F (54 °C)
Ultrasonic Cleaner	
Accepted Cleaning Solvents	Acetone or Isopropyl Alcohol
Cleaning Times	1 to 120 s

a. Determined by the TMS blade insert sets, which must be purchased separately. Prior to shipping, Thorlabs will reset the blade height for the intended blade set.

For more information, contact us at techsupport@thorlabs.com or visit www.thorlabs.com.