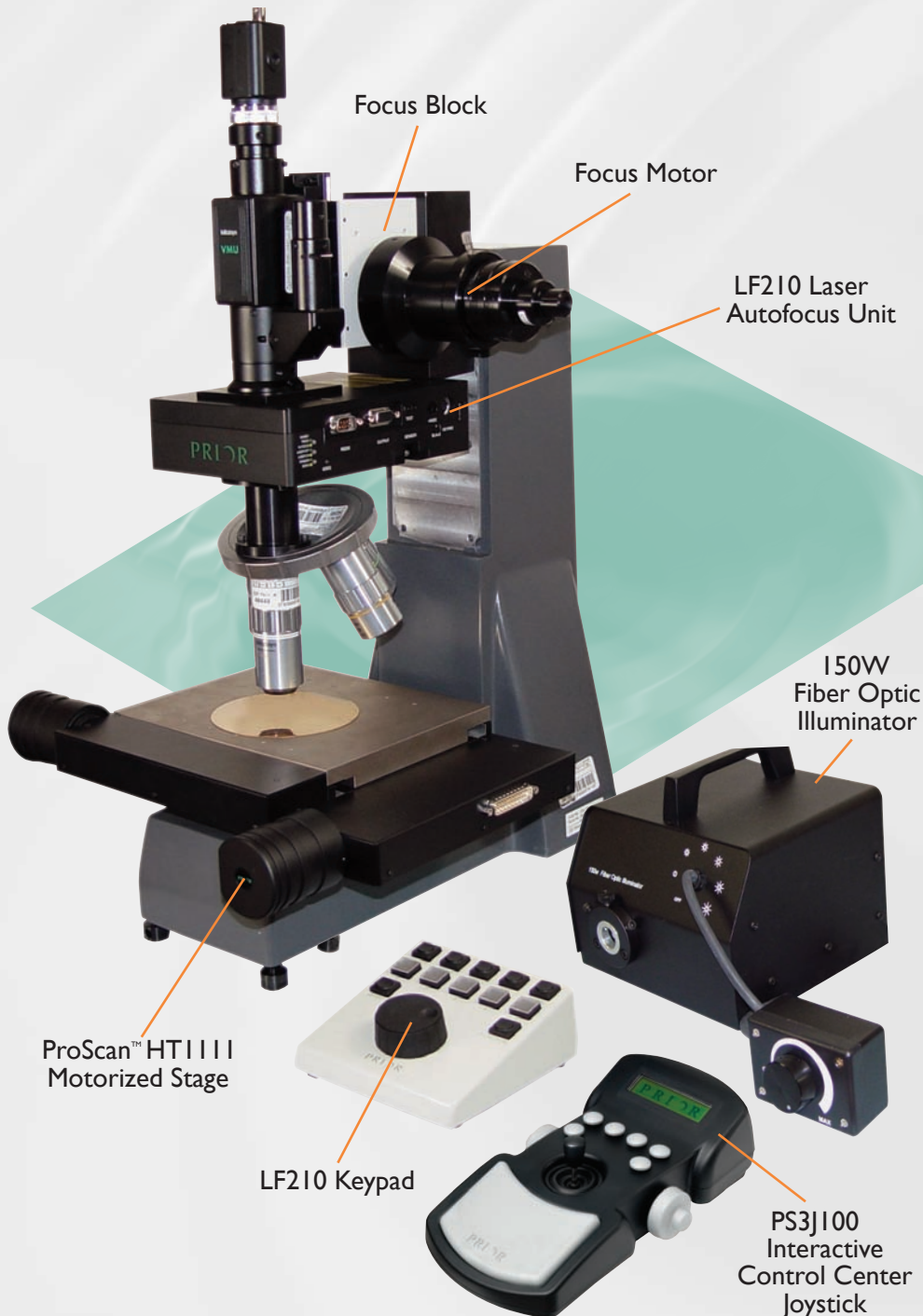


LF210 Inspection Station

Features



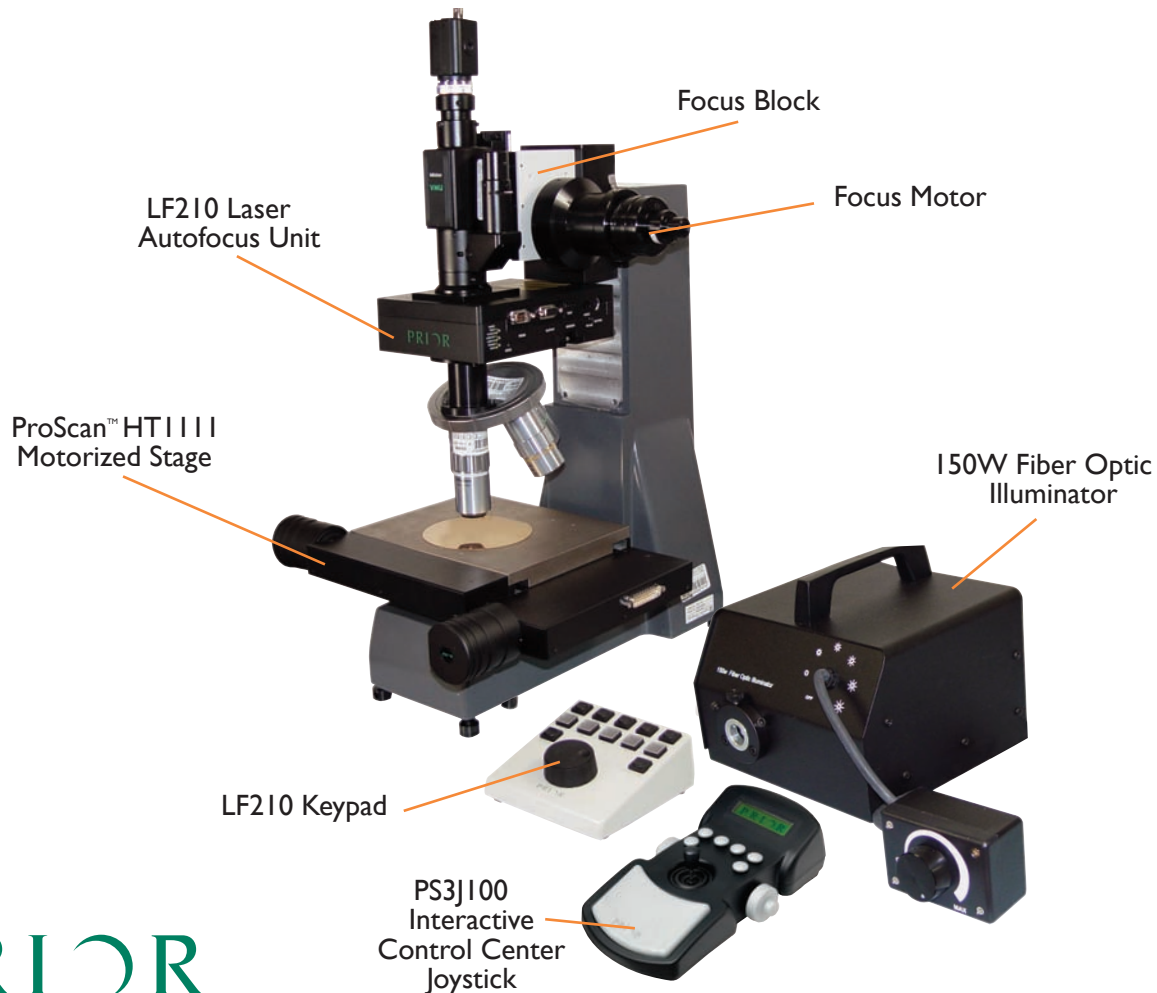
The LF210 Inspection Station by Prior Scientific is an automated inspection platform suitable for most industrial samples with moderate to high reflectivity. Samples placed on the Inspection Station's motorized stage may be inspected manually using the ProScan™ joystick or automatically inspected using one of many imaging software packages commercially available. The heart of the LF210 inspection station is Prior's LF210 Laser Autofocus module. The module combines the latest in intelligent micro-processor control and advanced optics to provide the fastest and most reliable real time laser autofocus available. Ideally suited for reflective specimens, the optical design eliminates the need to manually adjust the focus trim and loop gain (which is done automatically in the processor) resulting in a dramatic improvement in throughput. The intelligent digital control automatically senses when the sample has moved out of the field of view and stops the focus drive, while LED's give a clear presentation of the focus status. Combined with the LF100K digipot/keypad the LF210 provides a microstepping drive for the Inspection Station's focus motor.

The Inspection Station comes standard with Prior's high precision motorized XY stage with 40 nanometer resolution, Mitutoyo VMU assembly with four piece nosepiece, 10X, 20X, 50X and 100X objectives and a powerful 150 watt fiber optic illuminator. Wafer chucks and mask holders are available as well as custom holders. Software included with the system includes the ability to create simple patterns and to jog the system in X and Y. An SDK is provided for those users who want to implement the Prior controls within existing software. The entire system is compatible with most existing image analysis software packages. A list of all the compatible software packages is available on Prior's website at prior.com.

LF210 Inspection Station

Performance Specifications

Stage Travel	110mm x 110mm
Focus Travel	27mm
Camera Mount	Vertical C-mount
Auto Focus	Continuous laser autofocus with 680-695nm laser and filter
Objectives	Mitutoyo Plan Apo 10x, 20x, 50x, 100x
Communications	RS232 (LF210), RS232/USB (Stage)
Approx. Dimensions	18" (W) x 19" (D) x 26" (H)
Input Voltage	100 - 240V AC
Regulatory Compliance	Fully CE Compliant



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Specifications subject to change without notice.