

PL-200 Slide Loader System

High Speed Slide Loader System



The Prior Scientific PL-200 slide loader is an advanced system for automated microscope slide handling. The unit features a 200 slide capacity, enabling true walk away convenience. It is now possible to truly automate the digital imaging of microscopic specimens using the combination of precision scanning stage and automated loading and unloading of samples.

Each slide is housed in a removable rack with a capacity of 50 slides. It is possible to mount four of these racks at any one time. Once all slides within a rack are scanned it is simple to remove and reload that rack while the loader continues processing slides in subsequent racks. The loader's innovative design is capable of loading and unloading slides in under 24 seconds.

Reliability has to be the number one consideration for any automated slide handling system. The slide loader has been vigorously tested, successfully completing hundreds of thousands of slide loading and unloading operations.

From conception the slide loader has been designed to be compatible with the widest range of upright and inverted microscopes in routine use today. The slide loader can be interfaced with existing microscopes simply by adding the appropriate Prior Scientific scanning stage. For those instruments already configured with a Prior scanning stage a simple field modification is all that is required to enable them to be used in automated slide loading operations.

General Specifications:

- 100 (2x3 slide) capacity
- 200 (1x3 slide) capacity
- 15-25 second load time
- Optional 1D or 2D barcode readers are available
- Compatible with ProScan stages
- Compact design
- Easy software integration
- Compact unit occupies only 0.16m² of bench space

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Performance Specifications

Slide Capacity	Two hundred - 75mm x 25mm Glass Slides in 4 racks of 50 slides each
Loading Speed	< 24 seconds
Rack Sensor	Racks can be swapped while unit is running
Slide Detection	Racks are scanned for slides present. Slides can be barcode read prior to loading for random access. Barcodes can also be read during the load cycle ensuring GLP compliance.
Mishandling Detection	Mishandling detection is built into both the gripper arm and stage insert.
Barcode Readers	Optional 1D and 2D readers available
Vibration	Loader is stationary between operations, eliminating vibration during imaging operations
Communications	USB
Scanning Stage Compatibility	Compatible with ProScan™ H101A and select inverted stages (please call)
Footprint	Compact unit occupies only 0.16m ² of bench space
Dimensions	35cm (W) x 50cm (D) x 68cm (H)
Input Voltage	100 - 240V AC
Regulatory Compliance	Fully CE Compliant

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Worldwide distribution

Prior Scientific Ltd
Cambridge, UK

T. +44 (0) 1223 881711
E. uksales@prior.com

Prior Scientific Inc
Rockland, MA, USA

T. +1 781-878-8442
E. info@prior.com

Prior Scientific GmbH
Jena, Germany

T. +49 (0) 3641 675 650
E. jena@prior.com

Prior Scientific KK
Tokyo, Japan

T. +81-3-5652-8831
E. info-japan@prior.com