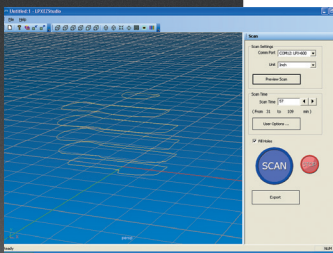


LPX-600

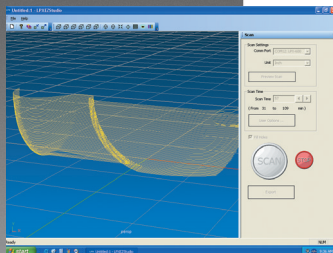
3D Laser Scanner



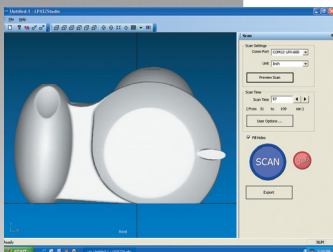
Position your object on the LPX-600 work table.



Press the "Preview" button to confirm scanning time.



Press the "Scan" button to begin scanning.



Completed scan/3D image.



The LPX-600 3D laser scanner from Roland revolutionizes 3D scanning. With the touch of a button, the LPX-600 samples an object, scans it, and automatically generates a watertight surface model. All at exceptionally high resolutions and without damaging the objects. Thanks to its dual mode capability, the LPX-600 lets you choose Rotary mode for rapidly scanning spherical and smooth-surfaced items or switch to Plane mode for capturing flat areas, oblique angles, and fine details. With optional scanning solutions you can even combine both modes. So you can scan even the most complex objects quickly, safely, and accurately and make 3D modeling easier than ever before.

Medical, Surgical - orthopedic, prosthetic, orthotics, anaplastology and maxillofacial, reconstruction
Manufacturing Design - for blister packaging, assembly fixtures

Industrial Design - for rapid prototyping, reverse engineering, 3D documentation of legacy products, CAD/CAM, 3D modeling
Research - engineering analysis and virtual simulation, FEA and moldflow analysis
Animation, Virtual Reality & 3D Games - create 3D characters and environments for TV and movies
Education - for training, simulation, and digitizing design models
Architecture - scan models and mock-ups
Museums - for 3D archiving, cataloging, anthropology and inventory of collections

 **Roland**[®]
Advanced Solutions Division

■ Specifications

LPX-600 3D Laser Scanner

Table size	Diameter 254mm (10 in.)
Maximum scanning area	Plane scanning: Width 254mm (10 in.), height 406.4mm (16 in.) Rotary scanning: Diameter 254mm (10 in.), height 406.4mm (16 in.)
Scanning pitch	Plane scanning: Width direction 0.2 to 254mm, height direction 0.2 to 406.4mm. Rotary scanning: Circumference 0.18 to 3.6 degrees, height direction 0.2 to 406.4mm
Repeat accuracy	±0.05mm (This figure reflects standard scanning conditions established by Roland DG)
Maximum table load weight	5kg (11 lbs.)
Laser	Wavelength: 645 to 660nm Maximum output: less than 0.39μW (maximum output of the laser light emitted inside housing is 0.1mW)
Sensor	Noncontact laser sensor
Scanning method	Spot-beam triangulation
Operating speed	Table rotation speed: 9rpm, head rotation speed: 4.48rpm, maximum head movement speed: 37mm/sec.
Interface	USB (compliant with Universal Serial Bus Specification Revision 1.1)
Power supply	Dedicated AC adapter Input: AC 100 to 240 V ±10% 50/60 Hz 1.7A, Output: DC 19V, 2.1A
Power consumption	Approx. 20W (including AC adapter)
Dimensions	630 [W] x 506 [D] x 761 [H] mm (24-13/16 [W] x 19-15/16 [D] x 29-15/16 [H] in.)
Weight	63kg (139 lbs.)
Packed dimensions	830 [W] x 710 [D] x 1050 [H] mm (32-3/4 [W] x 28 [D] x 41-3/8 [H] in.)
Packed weight	83kg (183 lbs.)
Environment	Temperature: 10 to 40°C (50 to 104°F) (25°C [77°F] or more recommended) Humidity: 35 to 80% (no condensation)
Included items	AC adapter, power cord, AC adapter holder, cable clamps, USB cable, CD-ROM, clay, user's manual, scanning software

■ System Requirements For Included Software

Operating system	Windows XP/2000/Me/98 SE (Second Edition)
CPU	Pentium 4 processor or better recommended
Memory	512MB or more recommended
Free hard-disk space required for installation	Dr.PICZA 3: 20MB or more 3D Editor: 10MB or more
Display	800 x 600 resolution and 16 bit color (High color) or more recommended. OpenGL-compatible accelerator board recommended.

■ System Requirements for USB Connection

Operating system	Windows XP/2000/Me/98 SE (Second Edition)
Computer	1) Computers preinstalled with Windows 98/Me/2000/XP at the time of purchase (This includes such computers later upgraded to Windows Me/2000/XP.) 2) Computers on which USB operation is assured by the manufacturer of computers
USB Cable	Use the included USB cable. Do not use a USB hub.

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