3D LIGHTYEAR SPECIFICATIONS

SLA product line support	SLA 190/250 - standard .v/.r/.l/.prm files for Buildstation DOS 3.8.4 or greater; SLA 350/500/3500/5000/7000 - standard .bff files for Windows NT Buildstation 5.0
Input file support	.stl, .slc
Configuration	Buildstation 5.0 SLA Controller Software is included for the SLA 350/500/3500/5000/7000 systems. For the SLA 190 and 250 systems, Buildstation 3.8.4 is compatible with 3D Lightyear.
Hardware and software platform support	Windows NT 4.0 Service Pack 3 Operating System, Pentium II (Xeon preferred) 450 MHz Processor, 256 MB RAM, minimum 4 GB Hard Disk, OpenGL 3D Graphics Accelerator Display Adaptor with a minimum 8 MB Video RAM, PCI bus (AGP preferred)
Integrated user module	All program functions are executed in a single user environment
Licensing	Unlimited licenses granted per customer site location; including QuickCast and automatic support generation
Year 2000 compliance	Y2K compliant when run on a Y2K compliant computer and operating system
File analysis and repair (.stl)	Automatic .stl file verification, repair, output to filename, message output file
Prepare buildfiles function	Build preparation tasks (slicing and converging) are processed in background and results are output to build and message files
Printing function	Setup, preview, output the view to any Windows supported printer. Can include part name, dimensional and volumetric data about part.
Indexed on-line help	Searchable on-line help facility for most features or functions
Multi-level undo	Reverse a previous user action, multiple levels
Drag and drop part translation	Mouse selected movement of parts
Platform setup wizard	Automatic, step-by-step platform setup routine for defining platform configuration
Improved line-width compensation	Small features retained following line-width compensation
Automatic part placement (.stl)	Automatic part placement on the build platform, nested for maximum compaction and SmartSweep productivity.
Improved supports generation	More robust generation of supports, particularly gusset-type supports
SLA system configuration	Add/delete machine; edit machine properties, set as default
Build platform support	New platform (default machine configuration), Open, Save, Save As
Component viewing trackball features	Virtual trackball (mouse controlled) features: Pan (2D), Rotate (3D), Zoom
Predefined component views	Views: Top, bottom, left, right, front, back, isometric (front), perspective
Window zooming	Unlimited window zooming, stepped trace-back to each previous zoom level
Lighting and coloring	Lighting intensity (directional and ambient) and positioning tool, change color (objects)
Component editing and transformations	Translate, rotate (limited .slc rotation), copy, delete, mirror, scale, snap to, select all, combine .stl files
Build and re-coat styles	Automatically applied re-coat setting associated to components and supports, including advanced options
QuickCast vents and drains	Automatic identification and display of valid vents/drain surfaces, user selectable, diameter, create on selected surface, automatic translation
Automatic supports generation editing (.stl)	All or selected components, interactive supports creation and editing (custom draw), support for parameter manipulation
Component information features	Select and display component, triangle and layer information
Unit conversion	Convert inch to mm and mm to inch
Automatic upfacing/downfacing rotation	Select a triangle and rotate part to make the selected triangle either an upfacing or downfacing surface

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P/N 70343 Rev. 2-99