




# Detailed comparison between Pro, Basic and Intro

Yellow highlights indicate where there are differences between LD2000 Pro, and the lower-cost Basic and Intro versions

Frame creation	LD2000 Pro	LD2000 Basic	LD2000 Intro
Drawing coordinates (resolution)	16000 x 16000	16000 x 16000	16000 x 16000
Draw true 3D frames	Yes	No	No
Auto-trace (convert simple bitmaps to laser outlines)	Yes	Yes	Yes
Digitizing tablet input	High-resolution (tablet direct), screen resolution (tablet as mouse)	High-resolution (tablet direct), screen resolution (tablet as mouse)	High-resolution (tablet direct), screen resolution (tablet as mouse)
MicroScribe 3D digitizing arm input	Yes	No	No
See laser output while drawing/editing	Yes	Yes	Yes
Number of drawing colors	16.7 million: 	48 fixed shades: 	24 fixed shades: 
Number of possible output colors	Over 1 trillion	Over 1 trillion	Over 1 trillion
Create raster (TV-type) picture frames	Yes	Yes	No
Create vector (European-style) frames	Yes	Yes	Yes
Create abstract (classic planetarium) frames	3 oscillator banks, color modulator, 4 fixed waveforms plus ability to make any frame an abstract.	2 oscillator banks, color modulator, 4 fixed waveforms	1 oscillator bank, color modulator, 4 fixed waveforms
Number of TrueType fonts	Unlimited (whatever is on host Windows computer)	Unlimited (whatever is on host Windows computer)	Unlimited (whatever is on host Windows computer)
Alphabets supported	Most alphabets, including Chinese, and other Eastern	Most alphabets, including Chinese, and other Eastern	Most alphabets, including Chinese, and other Eastern
Number of special laser fonts	26, plus ability to create and use custom laser fonts	26. No ability to create or use custom laser fonts	26. No ability to create or use custom laser fonts
Pre-computed morphing between frames	Yes	Yes	Yes

<b>Real-time morphing between frames (no need to store in-between frames)</b>	Yes	Yes	No
<b>Recolor tools</b>	Paint roller, paint brush, rainbow line and point, smooth colors, feathered lines	Paint roller, paint brush, rainbow line and point, smooth colors, feathered lines	Paint roller, paint brush, rainbow line and point
<b>Movement tools</b>	Manual, quick, numeric	Manual, quick, numeric	Manual, quick
<b>2D tools</b>	Mirror horizontal and vertical	Mirror horizontal and vertical	Mirror horizontal and vertical
<b>2D warping</b>	180 & 360 degree curve. Fisheye lens. Spiral.	180 & 360 degree curve. Fisheye lens. Spiral.	None
<b>3D tools</b>	Extrude, spin (lathe)	None	None
<b>3D warping and surface mapping</b>	Cube, sphere, hemisphere. Cylinder, hemicylinder. Cone, hourglass, black hole. Bump map from bitmap. Stretch Z.	None	None

## Show creation

### LD2000 Pro

### LD2000 Basic

### LD2000 Intro

<b>Timeline-based motion (stretch or shrink to change effect timing)</b>	Yes	Yes	Yes
<b>Playback shows with how many X-Y scanner pairs controlled</b>	30	30	30
<b>Number of tracks (simultaneous frames doing different things)</b>	32	16	8
<b>On-screen preview</b>	Yes	Yes	Yes
<b>View preview as graphics or beams</b>	Yes	Yes	Yes
<b>Realtime (not pre-computed) animation capabilities</b>	Time-based (animate for X seconds), refresh-based (draw frame X times)	Time-based (animate for X seconds), refresh-based (draw frame X times)	Time-based (animate for X seconds)
<b>Realtime (not pre-computed) morphing between frames</b>	Morph between any two frames; sequential morph between any number of frames	Morph between any two frames; sequential morph between any number of frames	None — can create pre-computed morphs but not realtime
<b>Rate-of-change for animations and effects</b>	Linear (smooth), accelerate, decelerate,	Linear (smooth), accelerate, decelerate,	Linear

	accelerate then decelerate, ping-pong, oscillate, random	accelerate then decelerate, ping-pong, oscillate, random	
<b>Parameters that can be controlled</b>	Size, rotation, position, 3D perspective, viewing distance, scan speed, window-wipe, brightness, color cycling, draw-out, erase-in, depth cueing, master screen size and position.	Size, rotation, position, 3D perspective, viewing distance, scan speed, window-wipe, brightness, color cycling, draw-out, erase-in, depth cueing, master screen size and position.	Size, rotation, position, 3D perspective, scan speed, window-wipe, brightness, color cycling, draw-out, erase-in, master screen size and position.
<b>Automatically synchronize to audio CD in computer</b>	Yes	Yes	Yes
<b>Automatically synchronize to sound files (WAV, MIDI, MP3, AU formats)</b>	Yes	Yes	Yes
<b>Automatically synchronize to audio/video files (AVI, MPEG, MOV, QT formats)</b>	Yes	Yes	Yes
<b>Automatically synchronize to SMPTE timecode</b>	Yes	Yes	Yes
<b>Automatically synchronize laser frames to video frames (video sync)</b>	Yes	Yes	Yes
<b>Mark music beats and see visual marks</b>	Yes	Yes	Yes
<b>Output show (or parts of show) as a sequence of ILDA frames</b>	Yes	Yes	Yes
<b>Output show (or parts of show) as a Windows AVI file</b>	Yes	Yes	No
<b>Output capabilities</b>	<b>LD2000 Pro</b>	<b>LD2000 Basic</b>	<b>LD2000 Intro</b>
<b>Playback any show created on Pro, Basic or Intro versions</b>	Yes	Yes	Yes
<b>Create shows that can be viewed on Lasershow Player model CD2000</b>	Yes	Yes	Yes
<b>Hardware output board</b>	QM2000 dedicated laser computer	QM2000 dedicated laser computer	QM2000 dedicated laser computer
<b>Scan speed remains the same, no matter how fast or slow the PC computer</b>	Yes	Yes	Yes
<b>Show continues even if PC crashes or freezes</b>	Yes	Yes	Yes

DMX input	Yes	Yes	Yes
DMX output	Up to 512 channels	Up to 512 channels	Up to 512 channels
Z-axis signal, for stereoscopic output (requires additional hardware)	Yes	Yes	Yes

## Included programs

### extra

### LD2000 Pro

### LD2000 Basic

### LD2000 Intro

AVS/Laser plug-in for Winamp

Yes

Yes

Yes

AutoPlay — automated show playback program

Yes

Yes

Yes

Asteroids Laser Game

Yes

Yes

Yes

TraceIT bitmap tracing program

Yes

Yes

Yes

Lasershow Video – VST

Yes

Yes

Yes

Lasershow Converter ADAT

Yes

Yes

Yes

Lasershow Converter FLASH

Yes

Yes

No

Lasershow Converter 4D

Yes

Yes

No

LivePRO

Yes

No

No

## Miscellaneous

### LD2000 Pro

### LD2000 Basic

### LD2000 Intro

Import file formats for laser frames

LD2000, LD (QM32), LD Amiga, Aura/Laser Fantasy, ILDA

LD2000, LD (QM32), LD Amiga, Aura/Laser Fantasy, ILDA

LD2000, LD (QM32), LD Amiga, Aura/Laser Fantasy, ILDA

Export file formats for laser frames

LD2000, ILDA

LD2000, ILDA

LD2000, ILDA

Ability to write custom programs using C, Visual Basic or other languages

Yes

Yes

Yes

Includes program, for tracing live video to make raster or outlines

Yes

Yes

Yes

Help file(s) size, bytes

8 files, 4.5 MB

8 files, 4.5 MB

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Approximate number of shows (songs) included

Over 120, including shows from International Laser Productions

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Money-back trial period (satisfaction guarantee)

90 days

90 days

90 days

*Features and prices are subject to change without notice, due to continual product improvement.*