



Tech Ed Concepts Inc.



## Laser Engraver / Cutters For The Classroom

# Take Your Classroom To The **Cutting** Edge

## GCC LaserPro SPIRIT

The GCC LaserPro Spirit is available in six models ranging from 12 - 100W configurations. Each is equipped with a 29" x 18" work area and the best safety features available. Engraving intricate designs across challenging materials is a breeze with the LaserPro Spirit.

- **12 to 100W models**
- **Auto Focus on all models**
- **Unique pass-through doors for long length materials**

LaserPro



Spirit

### LaserPro Spirit Features



#### SmartLID®

An innovative lid that opens from both ends allowing for easier access while instructing and to perform routine maintenance from the rear.

#### SmartACT®

Ground-breaking technology that reduces the ramping process, the job running time, which translates into higher productivity.

#### Optional SmartBOX® (Patent Pending)

An innovative technology that integrates the ventilation box with a honeycomb table. The result is not only a precise cut with sharp edges, but also a clean laser table to work on.

#### SmartLIGHT®

A light module that illuminates the working space and makes every engraving detail easy to see.



#### Emergency Stop

Big red button located on the top of the machine allows operators to stop the laser and the motion carriage immediately.



#### Pass-through Front/Rear Doors

A design with doors on both ends to accommodate extremely long working pieces without the need for a screwdriver.



#### Reliable Motion System

Systematic and reliable motion system embedded with strong mechanical framework and accurate servo motor control technology to deliver superb output quality under rapid movement.



#### SmartPIN Auto Focus®

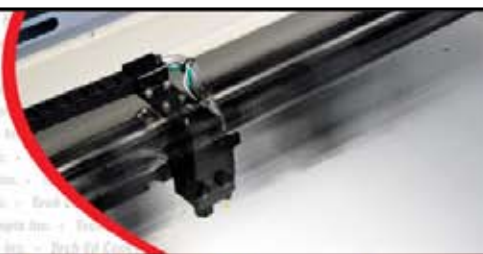
The plug-and-play probe design makes focusing a one-touch process and provides simple and accurate and precision required for optimum quality in the lasing process.



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## LaserPro SPIRIT - Product Information

### Optional Items

**Air Compressor (110V)** - Specifically designed Air Compressor for laser engravers, by using an oil-less diaphragm, you help eliminate the harmful and damaging side effects of moisture on the laser optics. Also, provides the optimal air pressure your laser needs to blow away vaporized particles and helps prevent overheating. A must to keep lenses and mirrors clean to promote longer laser life.

**Rotary Attachment** - Allows the laser system to perform at another level! By using the rotary attachment, engraving on cylindrical or round objects is now possible. This option uses a fourth axis to rotate your object allowing engraving on cups, wine glasses or even a baseball!

**SmartGUARD Alarm System** - Laser cutting and engraving operation using the SmartGUARD system assures optimum safety. When there is a malfunction, the alarm system will be active and shut-down the operation system immediately.

**SmartAIR Fine Nozzle / Ultra Nozzle** - The SmartAIR Fine Nozzle is recommended for engraving or cutting thin materials such as textile. The smaller caliber nozzle is positioned closer to the object for a concentrated blast directed over a small area to eliminate burning on the cutting edge. The optional SmartAIR Ultra Nozzle is recommended for cutting thick material such as acrylic. The nozzle produces strong airflow over a wider area to prevent flaming when the laser is cutting at slower speeds.

	12W	25W	30W	40W	60W
<b>Working Area</b>	29 in. x 18 in.				
<b>Maximum Part Size (W x L x Height)</b>	All doors CLOSED 31.5 in. x 22.4 in. x 6.5 in. All door OPEN 26.8 in. x unlimited x 6.5 in.				
<b>Table Size</b>	31.1 in. x 20.9 in.				
<b>Dimensions</b>	44.3 in. x 28.3 in. x 39.6 in.				
<b>Laser Source</b>	12 to 100 Watt Sealed CO2 Laser				
<b>Cooling</b>	Air-cooled				
<b>Drive</b>	DC Servo Control				
<b>Speed Control</b>	Adjustable from 0.1-100% of 60 ips (Up to 16 color-linked speed settings per job)				
<b>Power Control</b>	Adjustable from 1-100% (Up to 16 color-linked power settings per job)				
<b>Z-Axis Movement</b>	Automatic				
<b>Resolution (DPI)</b>	Available 125, 250, 300, 380, 500, 600, 750, 1000				
<b>Computer Interface</b>	Standard printer port and USB port				
<b>Memory Buffer</b>	32MB standard (Upgradeable to 64MB)				
<b>Display Panel</b>	4-line LCD panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus				
<b>Display Panel</b>	Graphic LCD panel				
<b>Safety</b>	Class IIIR for red pointer				
<b>Electrical</b>	100V-240V AC Auto Switching				
<b>Power Consumption</b>	700W-4400W				
<b>Air Exhaust System</b>	External exhaust system required, one 4 in. connection				



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