

# A WORLD OF SOLUTIONS

THIS PRODUCT IS CERTIFIED:



## SMART SOLUTIONS FOR THE LABELING INDUSTRY

### TAURUS - THE SMARTEST LASER FINISHING SYSTEM

Taurus is a full compact roll to roll converting system for digital laser cutting applications. Simply load your artwork and the laser module will accurately cut different shapes and materials.

The Taurus laser unit is a system that unwinds, laminates, laser die-cuts, removes waste, slits, and rewinds.

Equipped with a 3 axes scanner and the latest in laser technology, this unit offers a better X and Y register and cut depth control (Z) allowing the user to cut with different power levels on the same labels. This means an increase in quality and precision of label edges and a higher flexibility in label design.

This extraordinary development in cutting quality allows the Taurus to be a breakthrough product for the label market.

An innovative and smart cutting management software allows the operator to easily adjust the work speed and laser output for fabulous cutting, time optimization and less materials waste which in turn = greater profits.



1. Unwinder

2. Lamination

3. Liner rewinding

4. Lamination sensor

5. Sensor & Encoder

6. Touch Screen: easy to use control panel for

speed, step, number of labels setting and control

7. Rollers for media feeding

8. Adjustable clutch

9. Waste matrix removal

10. Slitter

11. Adjustable media guides

12. Rewinder

13. Main ON-OFF switch

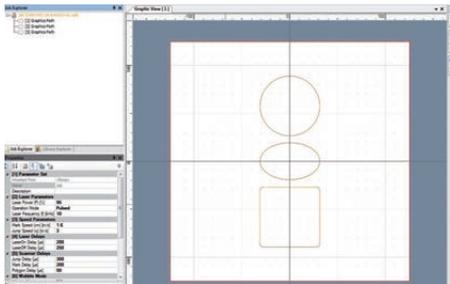
14-15. Monitor and keyboard tray slide.

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### LaserDesk

The User friendly management software for Windows is compatible with AutoCad DXF, Adobe Illustrator AI and SVG vector files.



### Sensor & Encoder

Through the black mark reading, it synchronizes the working speed and the cutting position on pre-printed or blank media.



### Touch Screen

Equipped with an easy to use control panel to adjust speed, step, and label number. Also equipped with a knob to help choose between "cut on fly" or "start & stop" mode with or without a registration mark.

Taurus is eco-friendly and energy efficient; at full speed it will not use more than 3300Watts. As an inexpensive solution, the unit has an adaptor located on the back to giving the operator an option to connect a fume extractor (not included).

The air flow system prevents any material from burning and keeps the working area clean. A vacuum system helps the media to remain flat on the work surface.

The Taurus unit also has a build-in chiller (not included). This water cooling system helps with monitoring and regulating the laser temperature.

### Why Taurus:

- » Running a label production in-house means reducing inventory requirements and costs.
- » Producing full bleed labels will no longer be a nightmare.
- » Laminating adds durability to your labels with no need for special media.
- » No need to order pre-die cut label rolls.
- » No need to order die tools.
- » A quick and simple solution for labels on demand.



**BOFA**  
Fume extractor  
(suggested - not included)

**S&A - CW5300**  
Refrigeration chiller  
(suggested - not included)

## BENEFITS

Quick Running Process	Extremely user-friendly, loading of saved jobs will take a few seconds and new ones will be just a question of minutes. Thanks to an efficient setup process, the system meets the challenges of small runs and short lead time, thus ensuring "labels on demand" delivery time.
Higher Profits	Based on fully digital workflow, the laser process eliminates both the cost of buying conventional die plates and downtime for setups of mechanical dies.
Flexibility & Quality	Equipped with the latest laser technology, it gives great flexibility in label design and increase in cutting precision.
Speed Optimization	Depending on the complexity of the artwork, the unit gives the operator the option between "cut on fly" and "start & stop" modes which will help increase work productivity.
Remote Assistance	Customers whose computers are connected to internet will have access to our knowledgeable support technicians through remote assistance, making it convenient to troubleshooting and resolve any issues.

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## SMART SOLUTIONS FOR THE LABELING INDUSTRY



Safety switch



4 wheels



Core holder's clutch



Lamination sensor



Light



Adjustable clutch



Ultrasonic tension controller



Rollers for media feeding



Waste matrix removal



Slitting (up to 8 blades)



Adjustable media guides



Main ON-OFF switch  
Emergency button

### FEATURES

Cutting area	9.84"x 8.5" (250mm x 215mm)
Web Width	1.97" - 8.5" (50mm - 215mm)
Max. Roll Diameter	9.84" (250mm)
Internal Core Diameter	3" (76mm)
Slitting Blades	Up to 8
Minimum Slitting Width	0.82" (21mm)
Substrate	50gsm - 200gsm
Speed	Up to 20m/min depending on cut pattern
Laser Type	120W sealed CO <sub>2</sub> water cooled source
Laser Spot Size	398 μm
Type of Cut	Kiss-Cut, Slit, Perforate
Cut of Registration	Single Point Registration Black-Mark

### TECHNICAL SPECIFICATIONS

Data connectivity	Ethernet 10/100, USB 2.0
Input file	Adobe Illustrator (AI), DXF, SVG
Agency certifications	CE, FCC and RoHS
Size	L: 92.5" (235cm) x P: 29.5" (75cm) x H: 66.92" (170cm)
Weight	500kg (1102 lbs.)