## SMART SOLUTIONS FOR THE LABELING INDUSTRY

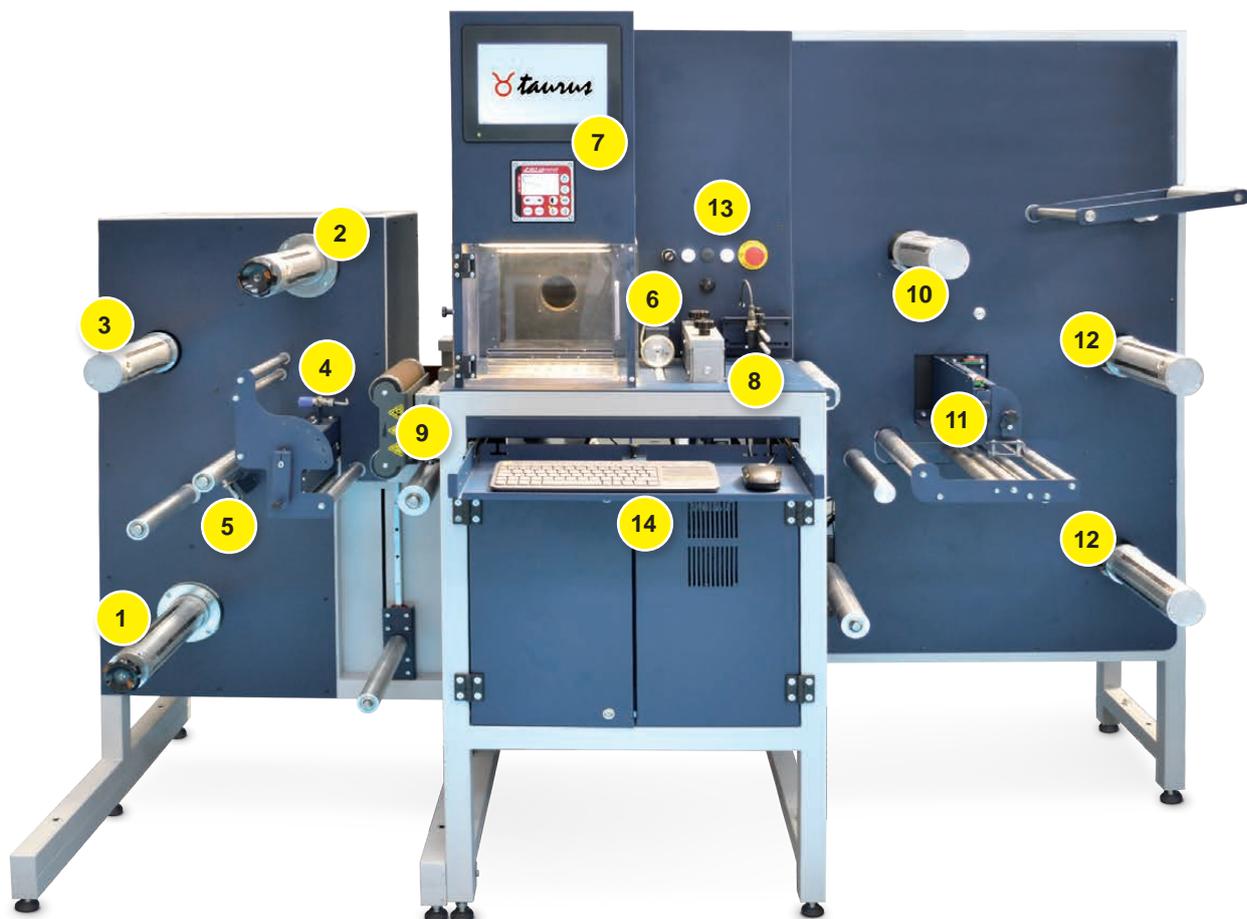# TAURUS - THE SMARTEST LASER FINISHING SYSTEM

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

6. Blanc Mark Sensor & Encodert
7. Touch Screen
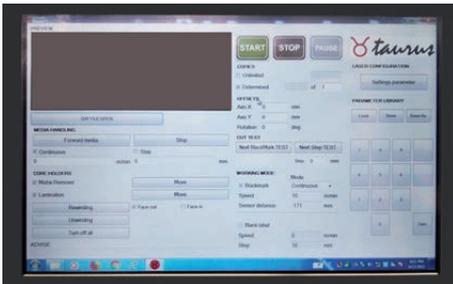8. Rollers for media feeding
9. Web guide
10. Matrix Rewinding

11. Slitter
12. Rewinders
13. Main ON-OFF switch
14. Keyboard sliding tray
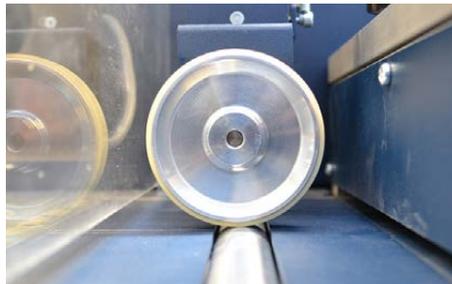
# A WORLD OF SOLUTIONS

## SMART SOLUTIONS FOR THE LABELING INDUSTRY

**Taurus Software**
*The User friendly management software for Windows is compatible with AutoCad DXF files.*

**Black mark 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 integrated pc where Taurus software is installed, the operator easily sets all the working parameters.*

Taurus is eco-friendly and energy efficient. 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 source 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. |

## SMART SOLUTIONS FOR THE LABELING INDUSTRY

| TECHNICAL SPECIFICATIONS | |
|---|---|
| Cutting area | 250mm x 250mm (9.84" x 9.84") |
| Web Width | 50mm - 250mm (1.97"- 9.84") |
| Max. Roll Diameter | 400mm (16") |
| Internal Core Diameter | 76mm (3") |
| Slitting Blades | Up to 8 |
| Minimum Slitting Width | 21mm (0.82") |
| Working mode | Cut on Fly, Start&Stop |
| Speed | Up to 50m/min depending on cut pattern |
| Laser Type | 150W sealed $CO_2$ water cooled source |
| Laser Spot Size | 398 µm |
| Type of Cut | Kiss-Cut, Slit, Perforate |
| Cut of Registration | Single Point Registration Black-Mark |
| Data connectivity | Ethernet 10/100, USB 2.0 |
| Input file | DXF |
| Size | L: 230cm (90.5") x P: 79cm (31.1") x H: 160cm (62.99") |
| Weight | 600kg  (1322lb) |
| Agency certifications | CE, FCC and RoHS |