



## FOIL*Star*300

### Distinguishing Characteristics

Permanent and wear-resistant marking of laser foils

Individual design of Custom Label Sizes  
by laser cutting

Resolution: 725 dpi

Rate of Travel: 100 mm/s

Roll diameter: 300 mm

Integrated Cutting Blade

## Technical Data

# FOILStar300

### Laser

Laser marking system	Optional DPL <i>Magic</i> Marker (5 W, TEMoo) or DPL <i>Genesis</i> Marker (7 W, TEMoo) or DPL <i>Nexus</i> Marker (12 W, TEMoo) or DPL <i>Fortis</i> Marker (18 W, TEMoo) Diode-pumped, active quality-switched solid state laser (Nd:YAG)
Wave length	1064 nm
Laser protection class	Class 1 by using integrated protective glass 100 x 100 mm
Pilot laser	650 nm, 1 mW

### FOILStar300

Marking field	110 mm x 110 mm, 180 mm x 120 mm (optional)
Resolution	725 dpi, 500 dpi (optional)
Maximum roller diameter	300 mm
Maximum width of labels	120 mm
Rate of Travel	100 mm/sec
Cutting Blades	integrated
Functions	Label mode Applicable to many surfaces Transport forwards and backwards

### Interfaces

PC-Interfaces laser	USB 2.0
PC-Interfaces	
FOILStar300	RS232C
Power supply	Standard appliance outlet

### System Requirements

IBM-compatible PC, Pentium 4, > 2 GHz, 512 MB	
Operating systems	WINDOWS 2000/XP
PC interfaces	1 x RS232C 1 x USB 2.0
Storage components	Hard disk, CD-ROM drive
Suction unit for foils where coatings are removed	

### Power Supply and Consumption

85 - 260 VAC / 16A / 50-60 Hz	
Power consumption (typical)	100 W
Cooling, laser	Only air-cooled, no water supply required

### Operating Conditions

Operating temperature	15 °C - 35 °C
Humidity (relative)	30 % - 85 %, non-condensing

### Weight

21 kg

### Dimensions (L x W x H)

700 mm x 300 mm x 340 mm

### Options

external winder

## Technical Description

The FOILStar300 offers an interesting labelling alternative for any place where direct laser marking is not possible but resistant lettering is required. In the field of labelling technology, laser marked foils are especially beneficial against counterfeiting and when environmental factors are a concern.

Distinguishing characteristics of the foils include:

- high resistance to solvents and plasticizers
- high resistance to atmospheric and UV influences
- high heat resistance
- extremely strong adhesive
- scratch and abrasive resistant, impact proof
- high contrast obtainable

FOILStar300 - the highly integrated laser foil marker, makes it possible to accurately and easily mark laser foils. The device accepts laser foils up to a roll diameter of 300 mm. Laser Marking Software (included with purchase of the machine) controls the transport of the foil and the entire marking process. This software is used for designing labels, and allows for fixed or variable texts, codes or logos to be created easily. The laser is able to cut labels out according to their outline and it is equipped with a cutter that allows for cutting off complete labels or sets of labels.

Laser Marking can be applied to a variety of surfaces including type plates, labels and especially where product safety and seals of quality are required.