FOILStar300

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

FOIL*Star*300

Laser

Laser marking system	Optional DPL*Magic* Marker (5 W, TEMoo) or DPL*Genesis* Marker (7 W, TEMoo) or DPL*Nexus* Marker (12 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

FOIL*Star*300

Marking field	110 mm x 110 mm, 180 mm x 180 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 FOIL*Star*300	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 FOIL*Star*300 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

FOIL*Star*300 - 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.

Österholzstraße 9 · 99428 Nohra · Germany
ACI Laser GmbH · www.ACI-Laser.de · Tel.: +49 (0) 3643 . 4152-0 · Fax: +49 (0) 3643 . 4152-77

ACI
Laser-Components