



## COTwo Marker 20/30 W

The COTwo Marker is a gas laser that operates at a wavelength of 10,600 nm. It can be used to machine plastics, glass and organic materials. The fully air-cooled, compact laser system is suitable for producing both small and large batch sizes. The COTwo Marker is available as a 20 W or a 30 W system.

### Properties

Like all of ACI's lasers, it features an optical focus finder and a preview function to make it easier to use. The COTwo Marker is a self-contained system and does not require a CO<sub>2</sub> gas supply. It is low-maintenance and allows for uninterrupted operation without extended downtime.

This system is a laser safety class 4 solution. To upgrade the system to laser safety class 1, all ACI's laser systems can be purchased in conjunction with various protective casings. This means that these laser systems can be used either as manual workstations or as integration components in an automated system.

### Software

The laser system is controlled using our proprietary Magic Mark marking software. This software enables workpieces to be marked with text, graphics, codes (data matrix codes, barcodes), serial numbers and logos. It can also be used to achieve uniform markings around the perimeter of workpieces with rotational symmetry. An intelligent user privilege management system facilitates the creation of different user groups. This way, the laser system can be adjusted to cater for the user's specific requirements. When using the laser system in automated production lines, fully automated



operation – including data exchange with various data sources – can be achieved without any difficulties. Optionally, plugins such as the code or script module can be used to add extra functions to the Magic Mark software.

Find out more about software add-ons

**Material**

<b>Metal</b>	
Temper the metal	–
Engrave metal	–
Remove metal	○
<b>Plastic</b>	
Foam plastic	–
Carbonize plastic	–
Engrave plastic	●
<b>Laser foil</b>	
Foil removal	–
Foil color cover	–
<b>Glass</b>	
	●
<b>Ceramics</b>	
	○
<b>Wood, paper, leather</b>	
	●

– not suitable   ○ well suited   ● very suitable

**Compatible manual workstations**

- FoilStar
- Workstation Classic
- Workstation Comfort
- Workstation Professional
- Robot-assisted laser station
- Rotary indexing table
- Workstation Professional XXL

**Compatible accessories**

- Fixed-mount reader
- Tool reader
- AOI
- CPM
- Software connections
- Laser extraction systems
- Laser safety
- Magic Mark
- Contour Tool
- Data Import plugin
- FoilStar plugin
- GS1-Generator
- OCR Plugin
- Ruler Scale plugin

Laser type	CO <sub>2</sub> , sealed off			
Wavelength	10,600 nm			
Laser power (max.)	20/30 W			
Beam quality	M <sup>2</sup> < 1.2			
Laser class	4, optionally 1			
Lens (choose from options)	100	150	200	250
Size of marking area	50 x 50 mm	90 x 90 mm	125x 125 mm	150 x 150 mm



Power consumption	600 W
Dimensions (l x w x h)	740 x 201 x 233 mm
Weight	20 kg
Mains connection	100-240 V AC/16 A/50-60 Hz
PC interface	USB 2.0
Interlock connection	Two-circuit interlock, SD-ready
Laser-control interface for	External emission indicator light, ready signal, 8 inputs/outputs that can be allocated for any use, optional connections for encoders
Functional safety in accordance with DIN EN ISO 13849-1	PLe
Laser marking software	Magic Mark V3

