

# MERCURY

MEDIUM-LARGE SIZE PROFESSIONAL CUTTING AND MARKING SYSTEMS EXPLOITING CO<sub>2</sub> LASER SOURCES WITH X-Y-Z AXES



Cutting head with H.P. capacitive sensor

- Advanced innovative technology, flexible use, high performance with safety features: 1215, 1520, 1530 and 2030 models are available in class 1(\*) or class 4(\*), 2530 model is available only in class 4(\*).
- **Mercury** can be configured with a range of fixed work tables, lifting front table, dual tables for loading/unloading or with conveyors for processing roll materials.
- Specially designed mechanical structure with X-Y axis movement, high performing linear motors, position controlled by linear optical encoders.
- High-performing flexible laser systems specially designed to meet the industrial requirements as well as the professional user's.
- Materials such as: PMMA, acetates, ABS, plastics, micanite, wood, leather, paper, cardboard, textiles, glass, marble marking (except PVC and polycarbonates), thin metals can be processed.



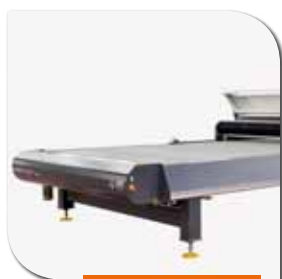
CCD kit for register cutting with print marker recognition



Suction inlet on the cutting head



Rotary attachment



Moving table (conveyor)



Safety optic barriers

Main technical features	
Available models in class 1[*] and 4[*]	1215 - 1520 - 1530 - 2030
Work area for available models in class 1[*] (mm)	1250x1550 - 1500x2050 1500x3080 - 2060x3080
Available model in class 4[*]	2530 - 3215
Work area for available model in class 4[*] (mm)	2500x3080 - 3200x1500
Sealed CO <sub>2</sub> laser sources: available power	from 150 W up to 1000 W
Slab CO <sub>2</sub> laser sources: available power	1500 W - 2000 W
Ripeatability with fixed table (mm)	< 0.05
Acceleration (m/s <sup>2</sup> )	20
Axes X-Y-Z resolution (mm)	0.001
Y axis raster max. speed (mm/s)	2000
Bitmap file max. resolution (dpi)	1200
Bitmap file max. gray scale levels	256 (65536 optional)
Software interface	CAM Icaro on Windows™ platform
Norm compliance	2006/95/CE Low Voltage Directive 2006/42/CE Machinery Directive 2004/108/CE Electromagnetic Compatibility Directive [*] IEC EN 60825-1 Laser Safety



**Available options increasing flexibility:**

- Conveyor with unwinder/rewinder for textile applications
- Loading/unloading tables with dual pallet
- CCD camera with printing mark recognition
- 3D kit for cutting and kiss-cutting of 3D surface - materials (compatibility \*.dxf 3D)
- Metal cutting with capacitive sensor
- Fume exhaust fan (pump)
- Safety optic barriers or laser scanner for class 4[\*] systems
- Rotary attachment
- BLU: Back Light Unit creation kit



Mercury 2030 with mobile tables

The system is CE certified.  
The features and the specifications of the system may change without notice.