



***THE BEST PROVIDER OF MACHINERY  
AND PARTS FOR LASER WELDING, CUTTING,  
AND ENGRAVING NEEDS***

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***PT. MAXIMA GLOBAL MULTITEKNIK***

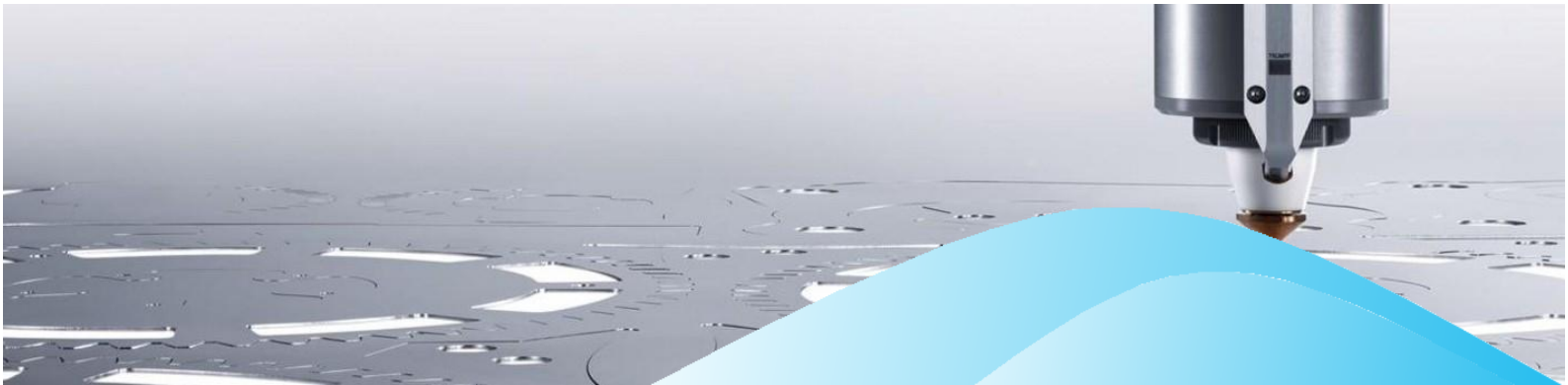
*COMPANY PROFILE*

[www.maximaglobalmultiteknik.com](http://www.maximaglobalmultiteknik.com)

# INTRODUCE

MAXIMA GLOBAL MULTI TEKNIK

*Penyedia mesin dan suku cadang untuk kebutuhan laser pengelasan, pemotongan, dan grafir terbaik yang hanya dapat dicapai melalui komitmen PT. Maxima Global Multiteknik, dengan dukungan seluruh mitra perusahaan dan penerapan manajemen teknologi efektif dan efisien.*



*PT. MGM (PT. Maxima Global Multiteknik) yang telah lebih dari 12 tahun berpengalaman pada bidang laser terus tumbuh dan berkembang sesuai dengan rencana strategis perusahaan. Banyak pengalaman dan proses pembelajaran yang telah dilewati dari tahun ke tahun yang untuk membuat perusahaan lebih maju dan tetap berkomitmen melayani kebutuhan pelanggan.*

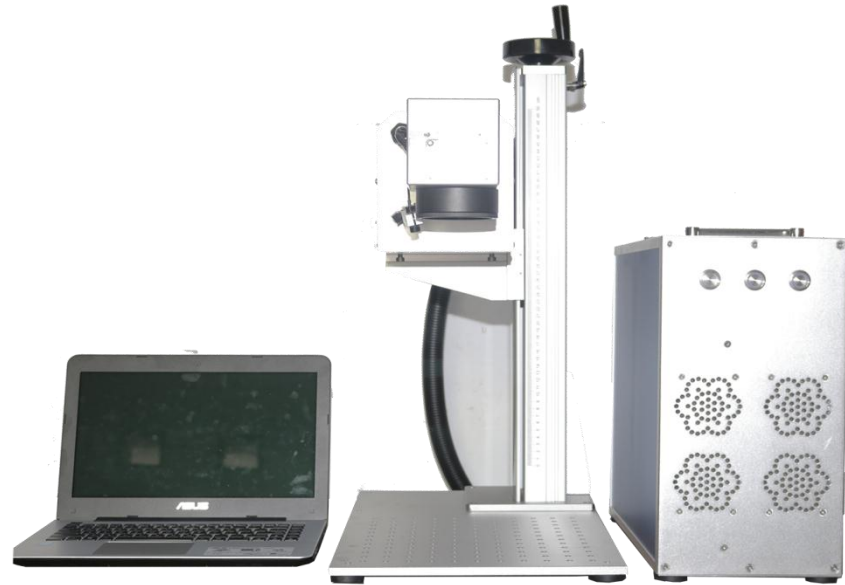
*Kepercayaan yang diberikan dari berbagai pihak (pemerintah, swasta, maupun perorangan) telah membuat PT. MGM (PT. Maxima Global Multiteknik) menjadi perusahaan penyedia mesin dan suku cadang peralatan laser tersebar di berbagai sektor seperti pada bidang IT (elektronik komponen dan elektronik konsumen), packaging (rokok, medis, minuman dan makanan), auto part (komponen otomotif dan Interior otomotif), hardware (peralatan dan metal part), dan gift accessory (crystal, tekstil, kulit, dan perhiasan).*

*Komitmen PT. MGM (PT. Maxima Global Multiteknik) untuk menyediakan kebutuhan mesin dan suku cadang laser untuk konsumen yang tidak terlepas dari peran setiap anggota P T . MGM dalam melakukan perbaikan, perawatan, dan kegiatan kunjungan ke konsumen dengan berbagai manajemen dan keahlian pada bidang laser yang efektif, efisien, serta memperhatikan standar K3 (Keselamatan Kesehatan Kerja) dan lingkungan kerja.*

*Kiprah PT. MGM (PT. Maxima Global Multiteknik) dalam keunggulan mesin dan perbaikan mesin - mesin laser tidak akan berjalan dengan baik tanpa adanya dukungan dan kerja sama yang baik dengan seluruh mitra kerja perusahaan (penyuplai, pihak perbankan, dan SDM yang memiliki kompetensi tinggi).*

*Sebagai wujud dari rangkaian proses pembelajaran dan pengalaman perusahaan melalui manajemen teknologi dan keunggulan mesin, maka kami siap untuk memenuhi kebutuhan mesin laser dan memberikan pelayanan yang terbaik.*

# MC 30 (CO2 30W)



## LASER CO2 MARKING MACHINE

(two type optic girder as above show)

### MC 30 LASER MARKER

MC 30 P laser marker is one of the leading products of market, which has the advantages of advanced function, small size and high cost performance. This machine adopts US laser oscillator and high-speed fine servo-motor (for scanning lenses) combining Han's laser self-developed control software. It is a high technology product integrating laser technology, fine mechanics, electronics technology and computer science, and widely applied in electronics, computer, clock and gift etc.

The control software runs on WINDOWS XP as the operation stage, using English interface, it is easy for operation and learning. The software has perfect graphics process function, supports the creating, moving, extending, rotating, imaging, copying, deleting and other functions. The software can also be customized according to the customer's requirements.

### MC 30 SYSTEM STRUCTURES

MC 30 (CO2) laser marker is composed by laser power supply, XY scanning lenses and driver, optical system, cooling system, computer control system and worktable etc.

#### 1) Laser Power Supply

The laser power adopts special switch power supply installing together with scanner power supply on the laser girder, which is compact in configuration and easy for operation.

#### 2) XY Scanning Lenses and Driver

The XY scanning lenses and driver system is used to laser high-precision scanning and orientation. The scanning lenses adopt high stable precision position testing sensor technology, moving-magnet and moving-coil deflection working method, and the driver adopts brand new topological circuit. The PC output a servo signal to drive the scanning lenses turning in order to mark accurately.

#### 3) Optical System

Optical system includes CO2 laser oscillator, expander, reflecting lens and focusing lens of scanner. All these components are imported high quality products, owning advantages of high-precision, high-speed, high-stability, can satisfy long time running requirement.

#### 4) Cooling System

The cooling system uses water-cooling method, to guarantee the long time service, stability and reliability of laser oscillator.

#### 5) Computer Control System

The computer control system includes computer, D/A conversion circuit and marking software. D/A conversion circuit transfer the digital signal to analog signal, to drive the optical components working in term of the parameters set by software.

The software can be compatible with documents output from AUTOCAD, CORELDRAW, PHOTOSHOP, CAXA and many other software. It can also handle the marking of bar codes, two dimensional code, graphics context, etc., and support file formats such as PLT, DXF, BMP, etc. SHX and TTF work stock. The system can code automatically, and print sequence number, batch number, date, etc.

#### 6) Worktable

Han's Laser CO2 series laser marker has the manual worktable, and the worktable height is in keeping with the lens focus. Through rotate the hand wheel, it can adjust workpiece plane surface expediently to make the worktable and focus have the same height, so that to achieve the accurate positioning.

## MC 30 SPECIFICATIONS

Model Type		CO2-MC 30
Marking laser	CO2 Laser	Wavelength: 10.6um
	Average output	30W
	Output stability	±5%
Marking area		160mm×160mm (Op 20×20)
Marking depth		≤ 3mm
Marking speed		≤ 7000mm/s
Min. line width		0.12mm
Min. character size		0.6mm
Repeat accuracy		±0.01mm
Software		Maxima Marking software
Character type		True Type font
Function	Update character	TrueType font installed in the PC
	Barcode	Automatic calendar, automatic time limit calculation, shift code setting, automatic counter, rank marking
	2D code	CODE 39, 2of5, Codabar, CODE 128
	Bitmap format	QR code, DataMatrix(ECC200)
	Laser cutting	JPG, BMP, PNG, TIF, PCD etc.
	Character layout	Fixed point, straight line, circle, Error Reset, Trigger Inhibit, Emergency Stop, Mark-Laser control, Laser control, Count-up, Count-down, Counter Reset, No./Value set, Fix Program No., Encoder Pulse, Trigger and so on
Cooling method		Air cooling
Electricity supply		220V/6A/50Hz(60Hz)
Power consumption		1000W
Environmental resistance		Temperature
Dimensions		1120mm×620mm×1370mm
Weight		700mm×400mm×700mm

## MC 30 OPERATION ENVIROMENT REQUIREMENT

1. Ambient temperature 15-30°C, air-conditioner needed.
2. Humidity 40%-80%; No dew; dehumidifier installation needed.
3. Power supply: 220V;50Hz/60Hz
4. Electric Power net undulation: ±5%; Power net suited to the international standard. Area with voltage amplitude above 5% should have automatic digital voltage stabilization and steady flow system installed.
5. No strong electromagnetism signal interference around the equipment installed. No wireless injection station (or relay station) around.
6. Groundsill swill: less than 50um;Vibration acceleration: less than 0.05g. Avoid too many punches and other machine tool equipments setting around.
7. No smoke and dust in the equipment space, avoid operational environment with much dust such as metal polishing and rubbing.
8. Air pressure: 86-106kpa
9. In certain environment, anti-static floor, strengthen shield and the other equipments should be installed.
10. Strict quality requirement of the circulating water for cooling use. Pure water, deionized water or distilled water are preferred, water contains much metallic ion and other minerals such as tap water, mineral water should not be used.

## MC 30 INDUSTRIAL APPLICATIONS



