

# markingtech 10

laser system



Built in 90° as standard

**The Markingtech 10w laser system is the solution for marking your products with incredibly clear messages at minimal operational costs**

The incredibly compact design along with an adjustable marking head ensures that you can install the Markingtech system on even the most complicated production lines. The system can even be integrated with other manufacturer's equipment.

Through a combination of extremely fast mirror tracking systems and the most modern software and hardware you can be assured of reliable high speed marking.

The latest in laser technology along with the fact that you don't need expensive replacements results in a system that requires little maintenance, minimal operational costs and no headaches.

This easy to use system can be controlled with a hand held terminal. The marking process is unimpeded because you don't need an expensive and space consuming PC on the production line. What's more is you can link several Markingtech laser systems together for even greater control and increased production or increase graphic features of the Markingtech laser connecting a PC through the full graphic interface kit.

All of these features ensures that everyone of your products is marked with the same high degree of quality and permanence guaranteeing accurate identification for the lifetime of your products.

A diverse range of materials can be marked utilizing the Markingtech system including labels, cardboard, PET, glass, coating and wood.

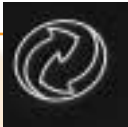


Diode marking area indicator



Dot character fonts

**Network Interface Package**

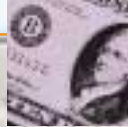


DXF & logos edition



Networking

**Full graphic Interface Package**



Bitmaps capabilities



Bar code & data matrix

## 10W - AIR COOLED

<b>MODEL</b>	Markingtech Laser System 10W		
<b>NOMINAL POWER</b>	10W		
<b>SYSTEM CABINET</b>	Laser, Control electronics, Computer and Scanners built into the System Cabinet		
<b>MAINS SUPPLY</b>	220V/110V - 50/60 Hz - Single phase 600W		
<b>MARKING HEAD</b>	CO2 sealed laser tube R.F. Technology Wavelength: 10.6 microns		
<b>FOCAL SPECIFICATIONS</b>	Focal distance	Marking Area	Beam Diameter
	80 mm	60x60 mm (2.4x2.4 inch)	<180 microns Optional
	190 mm	100x100 mm (4.0x4.0 inch)	<300 microns Standard
	240 mm	170x170 mm (6.7x6.7 inch)	<310 microns Optional
	Built in 90° marking as standard (easily convertible in 0° marking)		

**HAND HELD TERMINAL** ScanDos software running on MS-DOS • Able to built in text editor up to four lines with 3 different MFF fonts • Characters from 2mm to 20mm in height • Static and dynamic capabilities • Multiple messages • Mark time in multiple formats • Generation of sequential numbers as well as sequential messages activated by hourly, daily or monthly changes • Password protection system

**CONTROL BY PC (Optional)** Easy installed • All software running on Windows 95/98/NT/Me/2000/XP  
**Network Interface Package for dynamic applications** utilizing Dynamon™ software with protection key • networking capabilities of several laser systems via RS-232/486 ports • basic graphic interface • hand held terminal simulator • create simple logos • capable of downloading MFF fonts and DXF vector files • able to built in text and graphics editor in all of the marking area • scaling character generation • marking field selector via serie port • ODBC (database) features • alarm control

**Full graphic Interface Package for high resolution & static applications** utilizing Marca™ software with protection key and connectors • networking capabilities via Ethernet (TCP/IP) • controls laser systems via RS-232 • sent print files by Ethernet (TCP/IP) • powerful WYSWYG design editing • zoom • unlimited layering • bar codes • MFF font editing • capable of downloading BMP and DXF vector files • objects and characters morphing with fill features

**ACCESORIES (Optional)** Diode marking area indicator  
Dot Character generation package  
High speed marking head

**AMBIENT CONDITIONS** 10°C (50°F) to 35°C (95°F) external temperature  
Humidity <95%non-condensating

**WEIGHT & MEASURES** Net weight 19 Kgs. / Gross weight 24 Kgs. / 110 x 60 x 60 cms. (LXWXH)

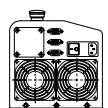
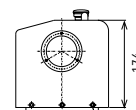
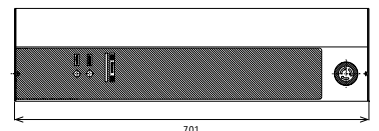
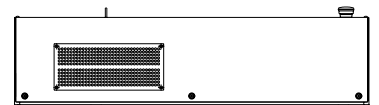
### MARKING HEAD FEATURES

Static marking	<b>Lens 100 x 100</b>	<b>Character size 3mm</b>	<b>Character size 4mm</b>	<b>Character size 5 mm</b>
		Standard Speed marking head		
	Charact/Second	230	205	175
		High Speed marking head		
Charact/Second	390	340	280	

Dynamic marking: Message with text up to five characters each line in heights of 2, 3 or 4 mm with 1 mm gap between each character: A1 =L1234 /A2 =ABCDE /A3 =56789

Line Speed:	<b>Lens 100 x 100</b>	<b>Character size 2 mm</b>	<b>Character size 3 mm</b>	<b>Character size 4 mm</b>
		Standard Speed marking head		
	A1	340 m/min	300 m/min	280 m/min
	A1 + A2	145 m/min	136 m/min	120 m/min
	A1 + A2 + A3	105 m/min	95 m/min	82 m/min
		High Speed marking head		
	A1	440 m/min	390 m/min	360 m/min
	A1 + A2	189 m/min	177 m/min	156 m/min
	A1 + A2 + A3	136 m/min	123 m/min	108 m/min

Minimum gap between codes:	<b>Lens 100 x 100</b>	<b>Character size 2 mm</b>	<b>Character size 3 mm</b>	<b>Character size 4 mm</b>
		Standard Speed marking head		
	A1	136 mm.	133 mm.	135 mm.
	A1 + A2	125 mm.	117 mm.	115 mm.
	A1 + A2 + A3	110 mm.	113 mm.	112 mm.
		High Speed marking head		
	A1	110 mm.	110 mm.	110 mm.
	A1 + A2	105 mm.	97 mm.	95 mm.
	A1 + A2 + A3	91 mm.	94 mm.	94 mm.



Specifications subject to change without notice

