

A Nidec Group Company

**COPAL**

All for dreams



*Compact*

*Power Saving*

*High Speed*

**LASER MARKER**

***Laser marking systems simultaneously realizing compact design, high speed marking and low power consumption.***

*Highly-reliable space-saving and energy-saving industry-use products widely used for marking on metal and plastic, or removal of alumite and paint.*



**LASER MARKER SYSTEM**



**CLS-X** 10W Laser  
Wavelength:1064nm



**UM-1C** 1W YAG Laser  
Wavelength:1064nm

		Specifications	
Model		 <p><b>CLS-X</b></p>	 <p><b>UM-1C</b></p>
Type of Laser / Laser Wavelength		Fiber Laser / 1064 nm	YAG Laser / 1064 nm
Output Power		10W	1W
Repetition Frequency		20 to 80kHz	5kHz
Marking Area		112×112mm(f-θ163mm)	105×105mm(f-θ163mm)
Working Distance		185 +/- 10 mm	
Marking Resolution		2μm	7μm
Applicable Marking Data	Text	TrueType Font	
	2D Code	QR code, Micro QR code, Data Matrix	
	Image	Bitmap (BMP), JPEG (JPG)	
	Shape	Straight line, Circle, Oval, Rectangle	
Power Source		100 to 120 VAC / 200 to 240VAC 50/60Hz	
Power Consumption		300 VA max.	250 VA max.
Dimensions	Controller	W320×H283×D296mm	W131×H181×D245mm
	Laser Head Unit	W210×H116×D340mm	W229×H80×D183mm
Weight	Controller	23kg	3kg
	Laser Head Unit	6kg	5kg

Usage Precautions



**Warning**

These units are Class 4 Laser Products of IEC60825-1:2007.  
 Be careful not to see or touch the direct light of laser or its reflection.  
 The units emit visible and invisible laser light.  
 Be careful especially when the laser irradiates.  
 Make sure to use the units based on IEC60825-1.

## NIDEC COPAL CORPORATION

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