

## *All-in-One Laser Marking Apparatus for ID Cards*

Weight:  $\leq 21.2\text{kg}$

Power Consumption: 120W

Front operation



- 01 Equipped High Speed Laser Engine (MOPA Method Fiber Laser 20W)**  
For achieving high speed marking, MOPA laser is adopted.
- 02 Newly Developed Original Laser Control PCB**  
IDLGMarkCS the simple application specialized in card marking and SDK provision.
- 03 High Cost Performance**  
Laser optics, mechanics, and electronics are all reviewed to lower price.
- 04 Smaller Size by Simple Mechanical Design**  
The world's smallest all-in-one apparatus by adopting the clipper mechanism (patent pending).
- 05 High Image Quality**  
Our original software achieves photo quality (dot gradation).
- 06 Energy Saving**  
120W or less by energy saving design. (AC adaptor 120W)
- 07 All-in-One Functions**  
Card supply, double-sided marking, and MLI are standard features.  
QA cameras, CLI, and chip encoding are available as options. (individual overseas support)

# IDL-K30

Items	Specifications
Marking Method	Direct marking on cards by laser beam
Laser Type	MOPA fiber laser
Laser Wavelength	1064nm
Laser Output	20W
Response Frequency	10-2000KHz
Cooling System	Air cooling
Card Type	ISO CR-80-ISO 810 (JIS X6801) Plastic card
Card Size	ID-1 85.6mm×54.0mm Thickness 0.76mm
Marking Resolution	≥600dpi
Marking Time	6 seconds (using our standard pattern) *1
Functions	Micro characters, two-dimensional codes such as QR code, etc.
Operating Environment	Temperature 15℃-30℃ Humidity 20-80% (Required no condensation)
Dimensions	Width 250mm Height 397mm Depth 540mm
Weight	≤21.2kg
Interface	USB 2.0
Power Supply	AC adaptor AC100V 50Hz/60Hz 120W
Consumables	Laser compatible cards
Safety	CE Marking / DEMKO *2
Laser Safety	Class 1 (No laser administrator required)

The marking software comes with IDLG Mark CS.  
Please contact us for SDK etc.

\*1 Marking Time

\*2 CE Marking and DEMKO will be acquired in 2023

Conforms to the Electrical Appliance and Material Safety Act in Japan



fig.1  
Standard Pattern



fig.2

## Contact



ID Laser Corporation R&D CENTER  
3-12-18, kamiaoki, Kawaguchi-shi, Saitama, 333-0844, Japan  
Saitama Industrial Technology Center Laboratory 552  
TEL: +81-48-211-0660 <http://www.id-laser.co.jp/en/index.html>  
[info@id-laser.co.jp](mailto:info@id-laser.co.jp)