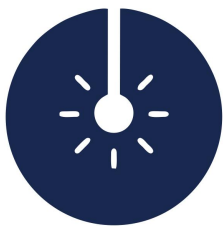


Fibre Laser Marking Machine for bags



Waterproof design
Leakage alarm



Lifespan 100,000+
180 packs/minute



PRODUCT DESCRIPTION

Easy integration into bagging lines

The Bag-in-Box Fibre Laser Coder is tailored specifically for bag-in-bag packaging machine lines to improve the efficiency and flexibility of the packaging process. Utilising advanced non-contact laser technology, the machine is able to leave a clear and long-lasting mark on the bag, even in wet, greasy, dusty environments or during heat sterilisation to ensure information is clearly readable throughout the product lifecycle.

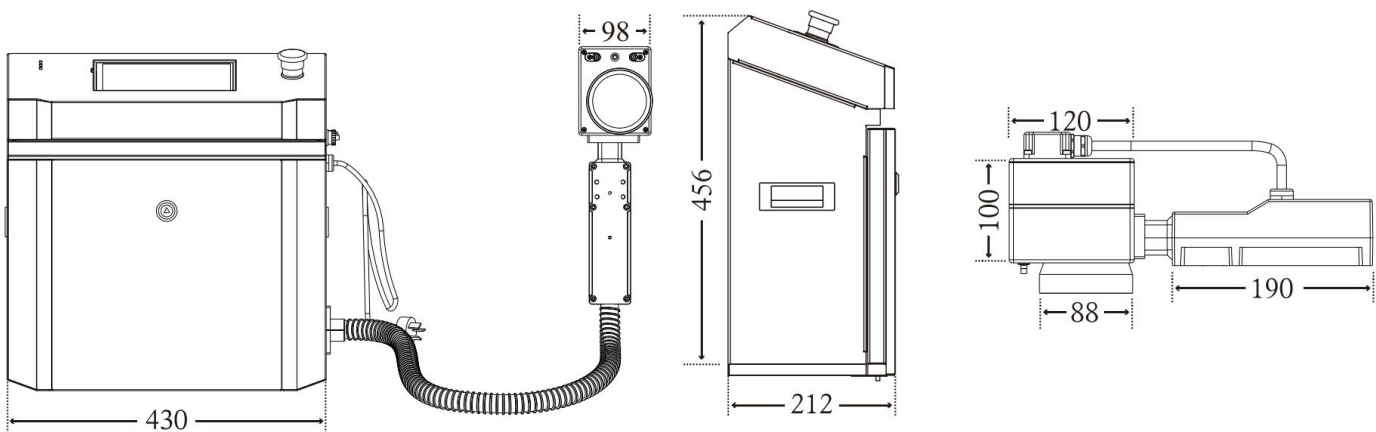
The technology also allows precise coding in hard-to-reach areas of the bag, such as side folds and edges, which dramatically improves packaging suitability and flexibility.

In addition to the above applications, the machine can also meet the needs of medium- to high-speed production lines for marking hard, high-density packaging materials such as metal parts, electronics housings, wires and cables, cans and plastic bottle caps.

PRODUCT ADVANTAGE

- **High Efficiency & Automation:** Automated coding processes dramatically increase packaging speed and productivity, enabling seamless product labelling while reducing handling steps and time.
- **Compact and Economical:** Compact design easily integrates into production lines, saving space and retrofitting costs. Lower purchase and operating costs compared to other laser machines.
- **Environmental protection and quality control:** Supports green production, reduces the use of consumables and lessens environmental impact. Accurate marking improves product quality and production automation.
- **Durability and Flexibility:** IP65 protection for dusty and humid environments. Multiple working distances and 0~360 printhead mounting orientations for enhanced flexibility in production line integration.

PRODUCT SIZE



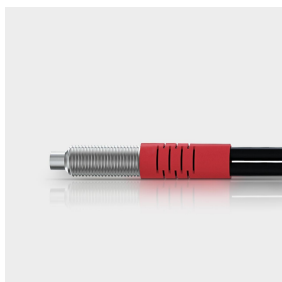
Unit (mm)

PRODUCT PARAMETERS

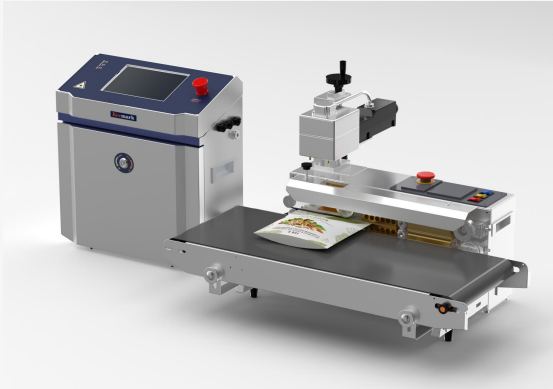
Lasers	Fibre Q-pulse lasers
Power	20W/30W/50W
Laser wavelength	1064nm
Pulse frequency range	30-60KHZ
Conditioning space	1D, 2D, 3D (optional)
Laser class	Class 4 laser products ~ IEC60825-1 compliant
Marking direction	0-360°
Marking area	Standard 110*110mm (can be customised)
Scribing speed	Up to 20m/s
Working distance	110-275mm (customisable)
Spot size	5.7-8mm
Marking content	1D, 2D barcodes, icons, Chinese, English and numbers
User interface	10" full colour touch screen
Communication interface	RJ45、RS232、RS485、USB
Rated voltage	200~240V 50/60Hz
Power of the whole machine	≤500W
Weight	23kg
Cooling method	Built-in air-cooled
Protection class	IP65
Environmental temperature	0~40°
Humidity range	Relative humidity <70%, non-condensing

STANDARD ACCESSORIES

- Lifting bracket
- Photoelectric sensors
- Encoders
- Signal cable



APPLICATION SCENARIO



● Sealing machine



● Bag packing machine

MARKING EFFECT





Tel: +86 400-1818-727 Email: service@kec-mark.com

Address: No. 288, Huajiadai, Fuchun Street, Fuyang District, Hangzhou, Zhejiang, China

<https://kecasia.com>

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