

YOUR CODING NEEDS ■ ■ ■

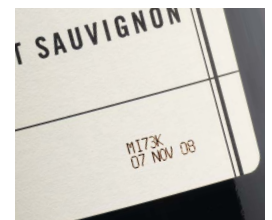
Laser coding on paper packages and paper labels on bottles



- Easily integrate into complex packaging machine areas with flexible beam delivery solution
- Readable and permanent to guarantee traceability
- High quality code with proven reliable SmartLase technology
- Meet highest production line speeds: code up to 45,000 labeled bottles per hour
- Reduce production costs: up to 99.9% availability ratio
- Contribute to your sustainable development goals

YOUR APPLICATION NEEDS ■ ■ ■

The right solution whatever the rate, size and substrate of the product (wide choice of lenses, scan heads and laser sources) best quality codes, contrast and consistent character shape



OUR SOLUTION SET ■ ■ ■

30-watt solution set for beverage coding equipped with Beam Orientation Unit (BOU)

HIGH QUALITY CODING

- Patented “SmartLase Code Technology” includes single and universal font options with the most lens and wave length configurations available in the industry (54) delivering ultimate flexibility to create impeccable lines, curves and points faster than ever before even in extreme conditions up to 45 °C
- Code contrast and bold character effect adjustable with choice of lenses (Fd 100, Fd 140)

EASY INTEGRATION

- Large choice of BOU tube lengths: BOU Anchor tube: 342 and 142 mm – Extension tube: 190 and 80 mm
- Remote Intuitive touch screen or Web user interface, quick PC access

COST REDUCTION

- Extended coder life time by 30% due to reduced laser duty cycles
- Low maintenance and consumable costs to reduce TCO

LINE EFFICIENCY

- Excellent availability ratio of up to 99.9% with:
 - Quick printer start-up
 - No regular production line maintenance stoppage
 - No moving mechanical parts
- Time for product line batch changeover greatly reduced
- Full traceability functions and secure input of batch information
- Intuitive user interface for quick and easy message editing and adjustment of code positioning

ECO-INITIATIVES

- IP55 solution as option with no plant air and no water
- Dedicated fume extraction system for a cleaner, healthier, safer, odorless working environment



MARKET PERSPECTIVE

“Our latest laser technology is an ideal solution for beer and soft drink markets coding on paper or sensitive labels on pallet carrousel. It not only provides easy integration and access into hard to reach labels on the pallet, but it also addresses the needs of high speed production lines.”

Sylvain Clément, Markem-Imaje Beverage Marketing Manager

ADDITIONAL BENEFITS

- Forgiving focal distance tolerances help to ensure quality codes even when product handling is not consistent
- Bold character effects possible due to contrast modes and lens options

APPLICATION SPECIFICATION

- High quality coding up to 45,000 labels/hour
- Code contrast and bold character effect adjustable with choice of lenses (Fd 100, Fd 140)
- Delivering high contrast codes at high speeds
- Proven robust IP55 laser head
- Efficient extraction system with automatic flow control optimized for high speed label coding (ES500+ solution)
- Recommended accessories: adjustable head stand, photocell for bottle detection, guarding tunnel and ES500+ fume extractor, lens shroud protection

OTHER ADVANTAGES

- CoLOS® software solutions
 - Networking software solutions:
 - to centralize production data management
 - to automate the coding task (provides data integrity)
- Ethernet connectivity
- Standard 2-year warranty and up to 5-year warranty available

OPTIONS

BOU factory configuration comes assembled with anchor tube of 142 mm and extension tube of 190 mm. Also, provided with the factory shipment are spare 342 mm and 80 mm* tubes allowing for several different configurations and orientations out of the box.

*The 80 mm tube cannot be used on the Interface Head connection.

CUSTOMER SUCCESSES

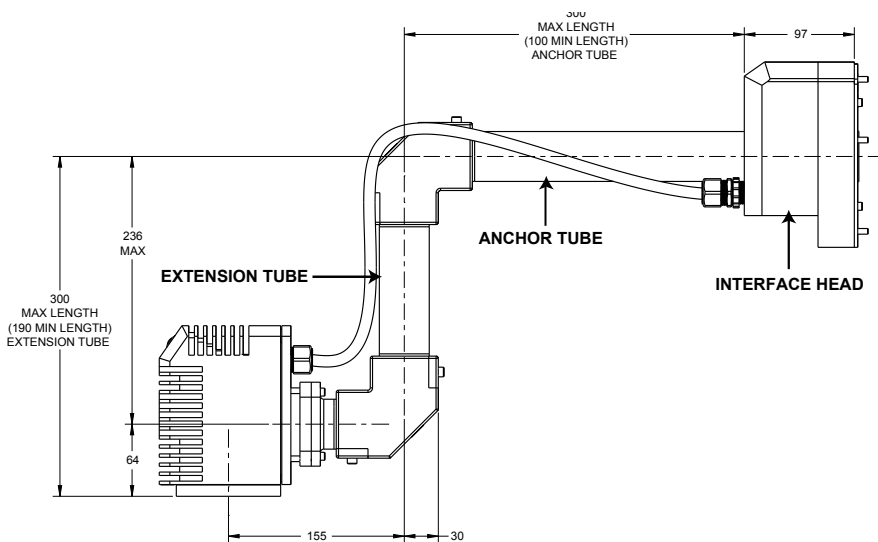
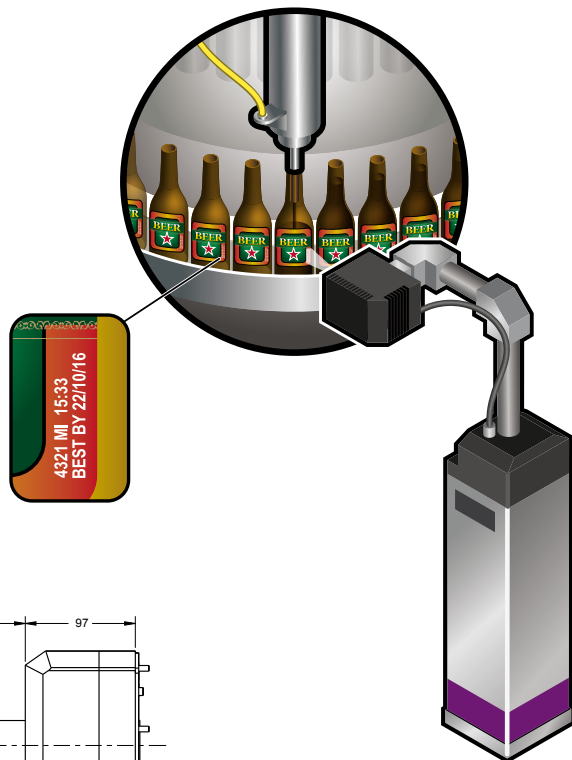
Installations operating at companies in Belgium and China

OEM DEDICATED SOLUTIONS

- Web user interface capability with quick access through PC
- Pointing diode for easy integration into packaging machines
- Quick and easy head swap with single connector
- Compliance with 2006/42/CE, ISO 13849 PL-D manual and auto mode and PackML, Krones Checkmat protocol
- Possibility of remote data management (interface with beverage packaging machine)
- Long head-to-printer umbilical (3, 6, 9 m)
- Operating temperature range: 5 to 45° C

OEM'S AND PARTNERS

- Integration into standard labellers: Krones, Sidel and KHS



We reserve the right to amend the design and/or specifications of our products without notice.

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