Laser Coder for Easy Marking of Products and Packaging

Videojet Technologies Inc., a world-leading manufacturer of coding, printing and laser marking products, fluids and accessories for the product identification industry, today introduced the new Videojet 3020 laser coder, an entry-level 10-Watt CO2 laser for marking and coding applications in the consumer packaged goods and industrial products markets. The Videojet 3020 coder employs scribing laser technology and large marking fields to provide excellent mark quality on paper, cardboard, plastics and various other materials. The compact single-box design is engineered for fast installation, quick starts, simple operation and fast line changes to assure high versatility and uptime.

“The Videojet 3020 laser coder meets the needs of customers with simple code requirements such as serial numbers, time, date and lot codes as well as many other code formats on food and beverage, pharmaceutical, personal care, cosmetics and industrial products,” says Markus Vetter, product manager for CO2 laser systems at Videojet.

Weighing just 7 kg (15.4 lbs), the Videojet 3020 is one of the lightest laser marking systems in its class. The compact single-box design allows for installations even when space is at a premium. The 3020 can be integrated either as a stand-alone solution using the easily adjustable mobile stand or directly into the line with mounting brackets. The unique and flexible laser mounting provides a variety of mark positions.

The quick-starting Videojet 3020 averages just 30 minutes for mechanical setup and 20 minutes for line changes. Smart system features like a focus finder and automatic signal detection of the encoder and product detector significantly help to reduce installation time. An intuitive user interface on a touch-screen tablet includes a setup wizard to set up the laser on the production line. Its simple menu structure and preview window allow the creation of jobs and setting of print parameters in a matter of minutes.

Depending on the lens used, the Videojet 3020 laser coder offers mark field sizes up to 126 x 87 mm (5” x 3.4”) to enable a wide range of codes and applications. With scribing technology, the 3020 provides clear, high quality marks on both stationary and moving products. Marking formats include alpha numeric text, simplified Chinese fonts, Eastern and Western European language fonts, variable data (serial numbers, date, time, shift code, GS1), ID matrix and bar codes, logos, symbols and graphical elements.

The standard configuration consists of the vector scanning laser marker, a lens, mechanical focus finder, product detector and the touch-control unit. A mobile floor stand, beam shields, exhaust units, encoder, mounting brackets and additional fonts are optionally available. The Videojet 3020 laser coder and its user interface are configurable in 19 languages.

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