

The new jointly-developed

Strapping Band Laser Marker

- **Easy to install even on existing strapping machines!**
- **Basecoat enables clear print contrast!**
- **Low running costs**

Integration of Kohan Kogyo's coil strapping machine & Nireco's laser marking technology delivers enhanced manufacturing control to the iron & steel industry.

The Strapping Band Laser Marker is the result of collaboration between strapping machine manufacturer Kohan Kogyo Co., Ltd. and iron & steel industry expert Nireco Corporation. The device improves the efficiency of both manufacturing & quality controls by simultaneously strapping the rolled steel coil and marking the strapping band with product management data. What's more, unlike conventional methods which directly mark

the product, the Strapping Band Laser Marker only prints on the band so that the steel coil can be delivered in pristine condition.

The Strapping Band Laser Marker is capable of printing at high speed and precision on both cold and hot-rolled sheets, while its outstanding durability ensures long-lasting stable operation even in the toughest operating environments.

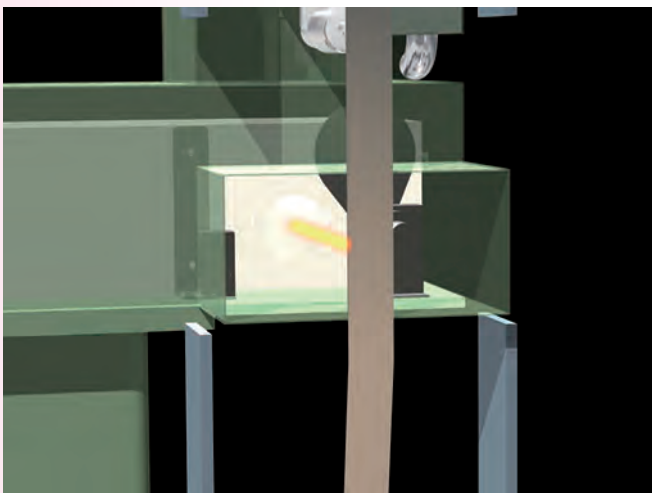
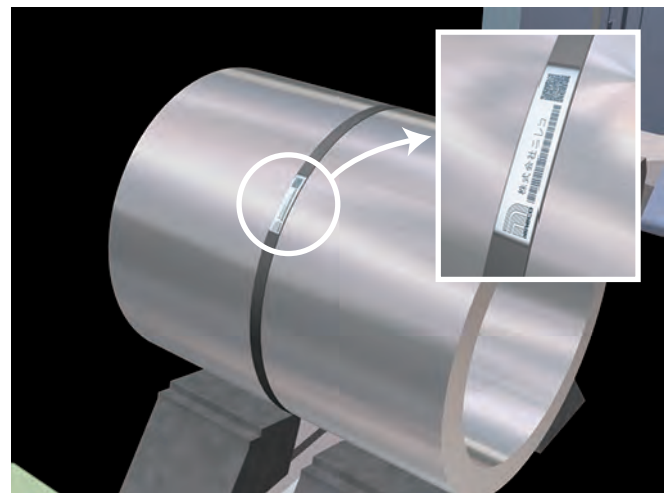


Illustration of laser marking



Close-up view of the printed area

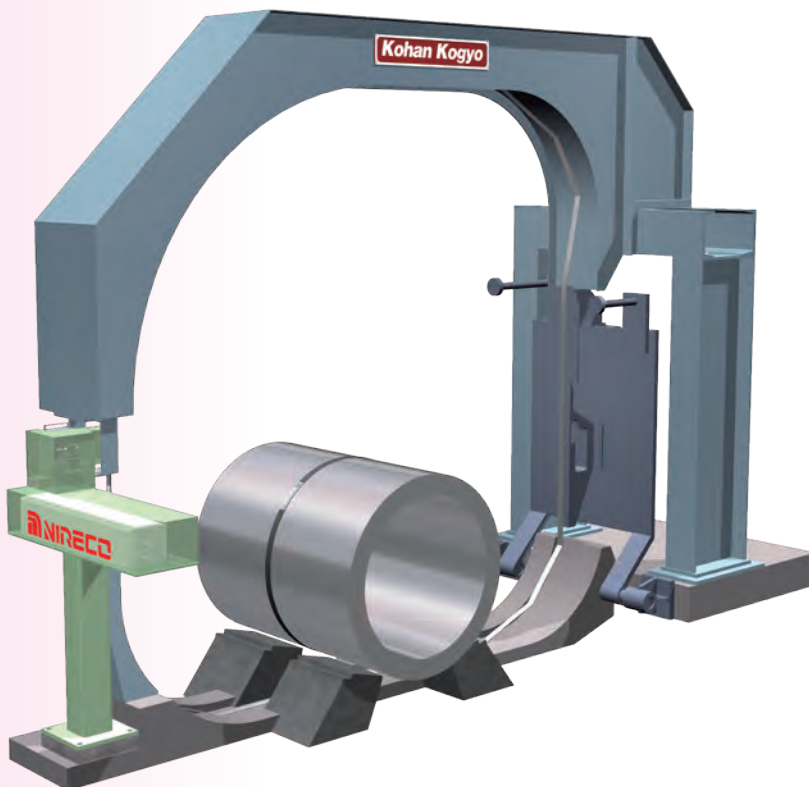
Product Features

Low running costs	» Laser marker only consumes basecoat
High-speed printing	» Clear & instantaneous printing
Barcode printing	» Supports GS1 DataBar (formerly RSS) & 2D barcodes essential for manufacturing control
Newly-developed basecoat nozzle	» Eliminates coating clogs for smooth operation
Easy to install on existing strapping machines	» Simplified installation

Comparison with Conventional Printing Methods

	Laser Method	Inkjet Method	Label Method
Running costs	Inexpensive basecoat only	Expensive - basecoat & ink combination requires cleaning fluids	Expensive at both normal & high operating temperatures
Print height	Variable to suit sheet thickness	Fixed at initial value	Label size is fixed
Print contrast	Basecoat ablation enables high contrast	Printing on top of basecoat reduces contrast	Good

Installed product image



Specifications

Laser output:	40W
Laser type:	CO2
Hazard class:	Class 4
Product life:	10 years or 50,000 hours
Print size:	Height: 3mm – 100 mm; Width: 0.1mm -
Printing speed:	5 seconds (based on size of print sample below)
Print types:	Alphanumeric characters, Chinese characters, barcodes & QR codes
Print colors:	Basecoat: white; Print: black
Coating consumption:	Determined by print size & area
Strapping band sizes:	Width: 25mm – 32mm
Strapping band types:	Kohan Kogyo's proprietary bands etc.



Print sample



NIRECO CORPORATION

Hachioji Office

2951-4, Ishikawa-machi, Hachioji, Tokyo, 192-8552, Japan
 Telephone: +81-42-660-7409 Facsimile: +81-42-645-7737
 Website: www.nireco.com E-mail: world@nireco.co.jp

Kyobashi Office

Kyobashi 1-chome Bldg., 1-13-1, Kyobashi, Chuo-ku, Tokyo, 104-0031, Japan
 Telephone: +81-3-3562-2201 Facsimile: +81-3-3564-4316