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.
Comparison with Conventional Printing Methods

<table>
<thead>
<tr>
<th>Laser Method</th>
<th>Inkjet Method</th>
<th>Label Method</th>
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</thead>
<tbody>
<tr>
<td>Running costs</td>
<td>Expensive - basecoat &amp; ink combination requires cleaning fluids</td>
<td>Expensive at both normal &amp; high operating temperatures</td>
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<tr>
<td>Print height</td>
<td>Fixed at initial value</td>
<td>Label size is fixed</td>
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<tr>
<td>Print contrast</td>
<td>Printing on top of basecoat reduces contrast</td>
<td>Good</td>
</tr>
</tbody>
</table>

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.