# Hot Mill and Metal Manufacturing Expertise



Featured Label Projects by

**GO2 Partners**



## GO2 Hot Mill and Metal Manufacturing Expertise

With extensive experience in asset tracking and tagging solutions, a deep supplier network, and a full portfolio of customer-focused products and services, the GO2 Metals team provides sustainable solutions to hot mills, processors and metal manufacturers.

That dedication to delivering solutions is one reason we're the first company to patent a hi-temp RFID label designed for hot mills. It's the latest solution in a full range of labels designed for extreme conditions in metal manufacturing. These labels provide the basis of tailored solutions designed around the production needs of our customers.

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Customer:

# Stainless Steel Mill

**Need:** Asset Tracking for High-Temperature Operations

**Solution:** Polyimide and High-Temperature Labels

**Story:** A steel mill with rolling and finishing operations used a label to track and identify its coils. As the mill worked to increase operation efficiency, it wanted an asset-tracking solution that could track coils earlier in the process. The label had to handle higher heat and support the use of barcodes for identification. The mill also wanted an adhesive solution that left no residue on the product after use.

**Results:** Working with the mill, the GO2 Metals team designed and supplied a label that could adhere at higher temperatures, leave no residue, and support barcodes.

## GO2 Expertise:

- ☑ Asset tracking
- ☑ Access to multiple material solutions
- ☑ Formulating tailored solutions for the production environment
- ☑ Support for chain of custody
- ☑ Support for high-temperature operations
- ☑ Label testing



Customer:

# Aluminum Mill Rolled Products

**Need:** Asset Tracking for High-Temperature Operations

**Solution:** Hi-Temp RFID Labels

**Story:** A mill wanted to track every aluminum coil throughout the production process. It contacted GO2 to come up with a comprehensive RFID solution. GO2 developed the label solution that provided RFID asset tracking even at high temperatures. The GO2 Metals team worked with RFID specialists to plan a full implementation, including placing RFID readers across the mill.

**Results:** After multiple rounds of testing, the labels' adhesion and heat tolerance successfully met the mill's needs. The customer has approved the initial strategy and budget and will implement it at the mill soon.

## GO2 Expertise:

- ☑ Asset tracking
- ☑ Support for chain of custody
- ☑ Access to multiple material solutions
- ☑ Formulating tailored solutions for the production environment
- ☑ Support for high-temperature operations
- ☑ High-temperature RFID labels
- ☑ Full plan implementation
- ☑ Label testing



Customer:

# Steel Plate Manufacturer

**Need:** Asset Tracking for High-Temperature Operations

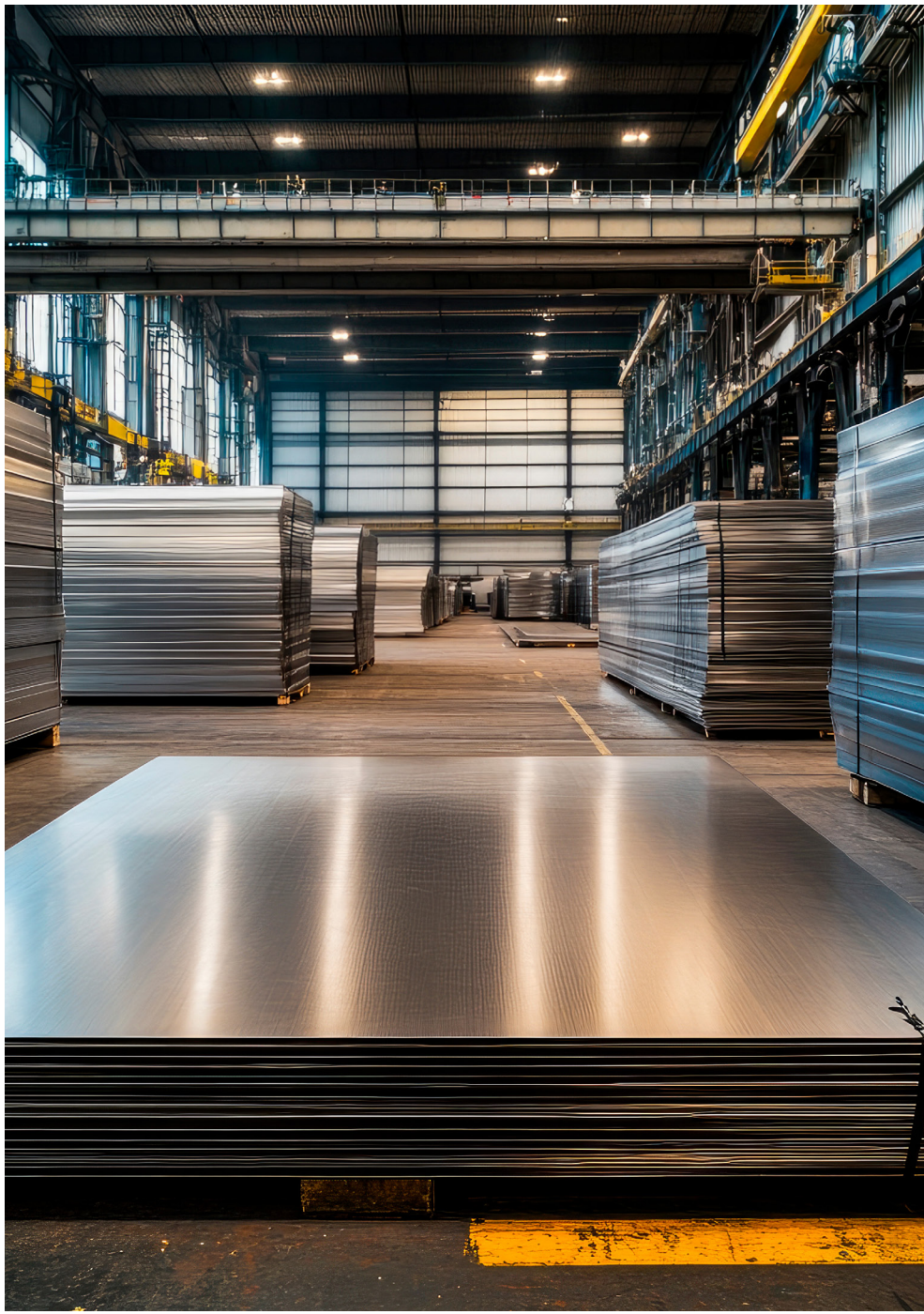
**Solution:** Polyimide and High-Temperature Labels

**Story:** One of the largest steel manufacturers in the nation struggled with asset tracking and label applications on a specialized production line. A robotic system was used to apply labels to steel plates exceeding 300°F (149°C). The failure rate for the labels was as high as 30%, leading to asset tracking issues and excessive waste. In addition, the labels would often get jammed in the robotic applicator, which meant additional maintenance.

**Results:** At the request of mill leadership, the GO2 Metals team determined that the design of the label and materials used were causing the issue. GO2 designed a new label that would work better with the robotic system. Working with several label manufacturers, GO2 was able to find a material that could fulfill the operational needs and meet the order and inventory quantities. In addition, GO2 suggested a new print ribbon that would better work in the extreme conditions at the mill, providing better label readability. After testing the new solution, the mill has rolled it out to production and is in the process of updating additional operations with GO2 label solutions.

## GO2 Expertise:

- ☑ Asset tracking
- ☑ Support for chain of custody
- ☑ Access to multiple material solutions
- ☑ Formulating tailored solutions for the production environment
- ☑ Support for high-temperature operations
- ☑ Improved label support
- ☑ Supply chain redundancy
- ☑ Label testing



Customer:

# Aluminum Mill

**Need:** Asset Tracking for High-Temperature Operations

**Solution:** Hot! and High-Temperature Labels

**Story:** The mill used a label asset tracking system. However, the labels used would shrink when applied to hot aluminum coils, making the barcode impossible to read. The mill's leadership team contacted GO2 Partners for a solution. The goal was to find a label that would ensure readability after exposure to temperatures as high as 350°F (177°C) and that would be easy to apply in the high-production area.

**Results:** GO2 evaluated the mill's production needs and developed a high-temperature label that can be applied to aluminum coils at 350°F (177°C) without damaging the barcode. After extensive, on-site testing, the new label has proved successful, enabling more efficient asset tracking.

## GO2 Expertise:

- ☑ Asset tracking
- ☑ Support for chain of custody
- ☑ Support for high-temperature operations
- ☑ Access to multiple material solutions
- ☑ Formulating tailored solutions for the production environment
- ☑ Cost reduction
- ☑ Supply chain redundancy
- ☑ Label testing



Customer:

# Fully Integrated Steel Mill

**Need:** Higher-Quality Materials and Supply Chain Resiliency for RFID Labels

**Solution:** RFID Labels

**Story:** A fully integrated steel mill implemented an RFID program for asset tracking. This included mounted scanners on crane hooks that tracked assets throughout the production process. The mill's label supplier couldn't meet its needs, with unreliable delivery schedules and inconsistent label quality. This led to a cascade of problems at the mill, so it turned to GO2 for help.

**Results:** GO2 addressed the quality issue by identifying a new supplier and thoroughly testing each batch of labels. This ensured consistent, high-quality labels with every shipment and a dependable shipping schedule. To eliminate any problems before they impact production, the GO2 team now handles the labels' delivery, providing reliability and supply chain redundancy.

## GO2 Expertise:

- ☑ Asset tracking
- ☑ Support for chain of custody
- ☑ Support for high-temperature operations
- ☑ Access to multiple material solutions
- ☑ Formulating tailored solutions for the production environment
- ☑ Supply chain redundancy
- ☑ Label testing



GO2 Partners®

**To learn more about all the labels we offer, contact us at:**

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