



"We BARCODE Difficult Stuff"™

X-TAG™ EXtreme Temperature, EXtreme Duration Identification Tag

X-Tag™ is an extreme temperature, extreme time, barcodeable metal tag designed for the most demanding applications, for example in the forging industry.

Metal barcode tags are well known in the steel industry. InfoSight invented the high temperature laser-markable InfoTag® in 1994. Today it is the standard for direct attachment to red-hot steel at 1800°F (1000°C). Special tags such as Pic-Anneal® and the patent-pending KettleTag™PLUS have been developed to survive acid pickling, high temperature annealing, and hot dip galvanizing in molten zinc.

However, the combination of high temperature (1600°F-865°C) along with long soak times (over 24 hours) has proved to be a difficult challenge. Conventional tags often fade, yellow, delaminate, or physically curl under these extreme conditions. Exotic solutions such as screen-printed ceramic chips are prohibitively expensive for many applications and don't lend themselves to on-demand printing. A robust and economical solution for reliable traceability in the forging industry has proven elusive, until now.

X-Tag™ is produced from stainless steel substrate with a special laser markable coating that can withstand long-term exposure to high temperatures. Tests at 1600°F (865°C) for more than 100 hours have been extremely successful. **X-Tag™ is the only tag of its kind in the identification label industry.**

X-Tag™ is available in a wide range of sizes, as either a single tag (blank-and-single) or in a long roll (nick-and-notched) for easy break-off. Tags can be pre-printed and ready for attachment, or imaged on-demand in any of the InfoSight laser printers. High visibility text, 1D and 2D barcodes, crisp graphics, and logos are all at your fingertips.

If your tracking and inventory control system requires an easy, robust method for identification at elevated temperatures for extended times, the **X-Tag™** could be your solution.



Typical **X-Tag™**

X-Tag™ Properties:

- Temperature resistance to 1600°F (875°C), 48-96 hours. UV stable.
- CO₂ laser-markable
- High contrast text for easy visibility
- High quality 1D and 2D barcodes meet AIM specifications
- Company logos & bitmap images
- Typical size 3" x 3" (75x75mm), custom sizes available.
- Turnkey print-on-demand system available
- FREE Windows-based layout software
- Pre-print services available from InfoSight in any quantity