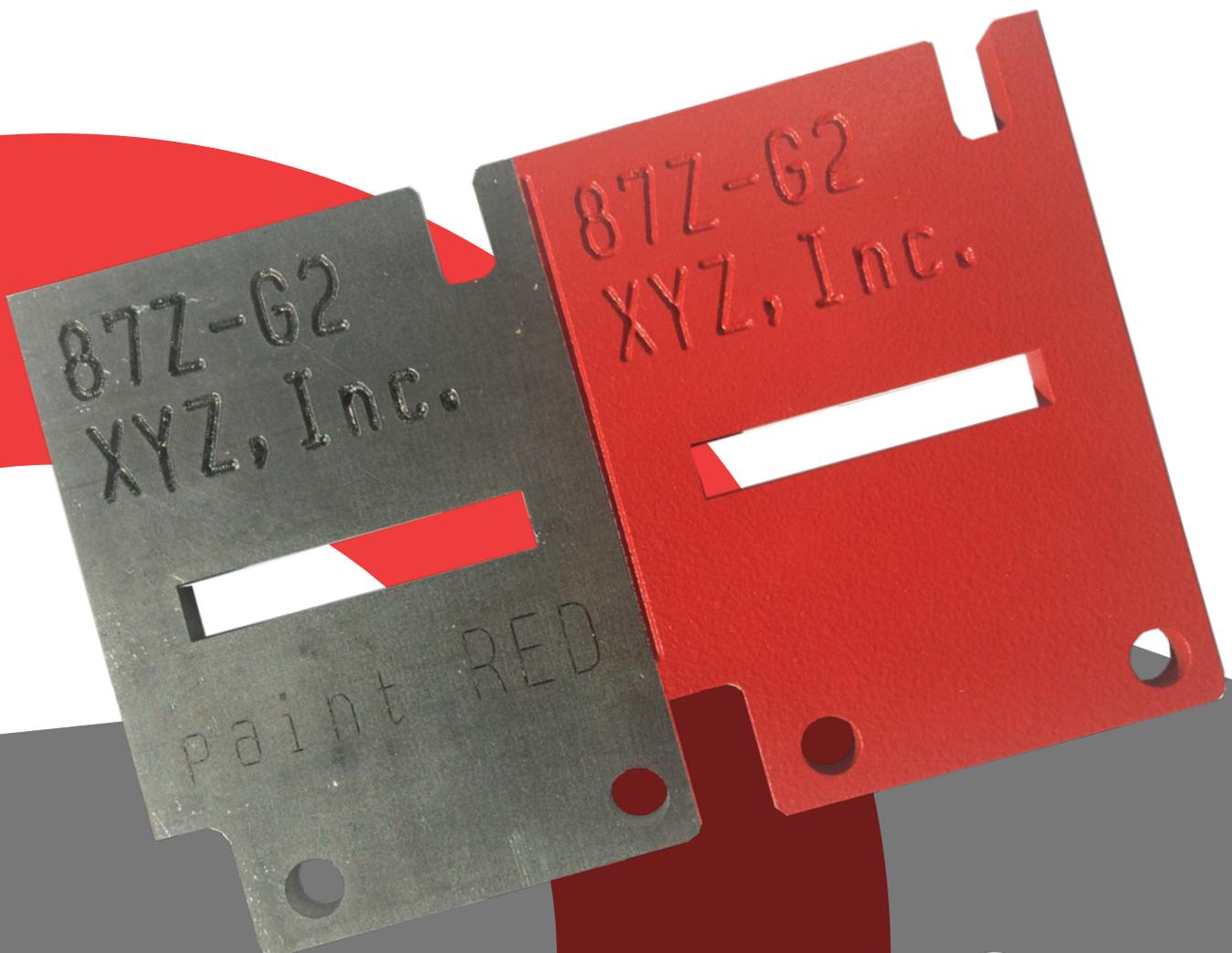




SOLUTION

DEEP ETCH

PART TRACEABILITY AND IDENTIFICATION
DEEP ETCHING VISIBLE AFTER PAINTING OR GALVANISING



DEEP ETCH PART TRACEABILITY AND IDENTIFICATION

DEEP ETCHING VISIBLE AFTER PAINTING OR GALVANISING

Marking using a laser is a well known solution for part identification. However, parts often need to be painted or galvanized after this process. For traceability, this can cause problems as the part marking is lost, leading to a breakdown in quality control systems.

AMADA's new Deep Etch function, completed in a single pass of the laser beam, allows the part identification to be readable even after coating and without any secondary operation, allowing part traceability through the whole manufacturing process.

PRODUCT COMPARISON

| | Before coating | After coating | |
|-------------------|----------------|---------------|-----------------|
| With Deep Etch | | | Marking visible |
| Without Deep Etch | | | Marking hidden |

AMADA'S PROCESSING TECHNOLOGY

| | | |
|--|-------------------|--|
| | Before coating | <p>Conventional marking Burn on surface</p> <p>New Technology Groove</p> |
| | After painting | |
| | After galvanizing | |

This new process is only possible because AMADA manufactures its own fibre laser source and cutting head, allowing full control and optimization of the machine for the customers benefit.

Note: results achieved may vary depending on material, gases and laser cutting equipment, parameters and conditions

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