

Corrosion Resistant

Fiber and UV Laser Marking and Laser Engraving



- Passivation, corrosion & autoclave resistant marks
- 17-4 ph, 17-7 ph and 300 series stainless steels
- Single and multi-use components
- Highly stable process
- No disappearing marks

KEY FEATURES

- 17-4 ph, 17-7 ph and 300 series stainless steels are often selected for corrosion resistance and mechanical strength. Maintaining these properties after laser marking is possible with suitable control of laser parameters.
- Laser marks tested by ASTM A967-01, ASTM F1089-02 and repeated autoclaving are passivation, corrosion and autoclave resistant before and after marking
- Mark both single and multi use components; multi use components are most challenging and can be routinely marked by using appropriate laser parameters
- Highly stable marking process means the corrosion resistance is maintained independent of changes in the mark content and material surface variations

TYPICAL APPLICATIONS



Mark on 17-4 autoclaved and *passivated* stainless steel



Corrosion and passivation resistant marking of 17-X steels



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