



High resolution laser color marking for steel and titanium surfaces

VTT offers a new laser marking technology with a precise high resolution true color marking with laser on metal surfaces. This unique method provides high resolution picture with laser and additive free pixelizing marking especially applicable on stainless steel and titanium surfaces such as:

- Medical device
- Jewellery
- Remembrance items
- Trophies and plates
- Military identification
- Automotive industry
- Aerospace materials
- Guns

Invention

- Makes surface to appear pixelized and colored
- With no additives
- Enables true 1200dpi RGB colored pictures on different surfaces
- Stainless steel and titanium surfaces well suited for this method

Solution

This marking enables:

- New niche areas for marking
- Marking is also superior if abrasion and corrosion resistance is compared to any printing method.

Additional information

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Why partner with VTT?

10 reasons for technology partnering with VTT

1. Key factor in Finland's success story with a track record to prove it
2. Licensing and co-venturing opportunities
3. Portfolio of more than 1,000 patents and inventions
4. New business and product concepts based on strong IP and world class research
5. Combined experience of more than 2,000 motivated researchers in eight focused areas of technology
6. Active member in hundreds of scientific & business communities
7. Excellent track record as coordinator and partner in EU projects
8. Collaboration with TOP 50 R&D companies in Finland
9. Global R&D partnership with 50 Fortune 500 companies
10. Market driven multi-disciplinary solutions