

Surface Texturing

Surface Technologies



Texturing

Metal surface texturing technology introduces a variety of manufacturing possibilities for enhancing and texturing components. This can include surface enhancements for metal to plastic bonding, creating growth-fostering texture on implants, or microscopic patterns on tool grips. The range of textures, shapes, and patterns created by Technetics Group's process is so vast that the possible variations of metal surface enhancements created by the process are infinite.

TEXTURING CAPABILITIES

- E-Beam Texturing
- Ceramic Texturing
- In-House Cleaning (Ceramics & Metals)
- Machining Support
- Coating Support

TEXTURING FEATURES

- No micro-cracking
- Improved Stress Isolation
- Enhanced Adhesion
- Vast Patterns Designs & Mesa Features
- Cost Effective versus Incumbent Technologies
- No Residual Contamination

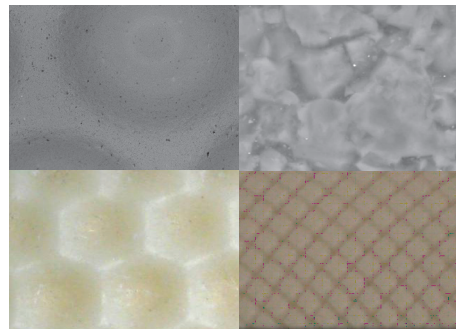
TEXTURING COMPATIBLE MATERIALS

- 300 Series Stainless Steel
- Alloy 20
- AM 350 Stainless Steel
- Hastolloy C
- Haynes 242
- Inconel 625, 718
- Monel Titanium/Tantalum
- Copper
- Aluminum (6061/3003)

CUSTOM BENEFITS

- Custom Engineered Products
- Cycle Life Improvements
- Total Cost of Ownership Improvement
- Short Lead Times

TYPES OF SURFACE SCULPTURE



APPLICATIONS

- Composite to metal bonding, also known as COMELD™
- Promotion of adhesive bonding
- Bonding and direct moulding of polymers to metal parts
- Manufacture of aerodynamically & hydrodynamically enhanced surfaces
- As a preparation prior to surface coating
- Manufacture of filters and other applications requiring shaped slots and holes
- Manufacture of surfaces with enhanced thermal properties
- Manufacture of tailored surfaces with specific wave interaction, absorption, emission and/or propagation properties
- Manufacture of locally alloyed functional surfaces with specific mechanical, electrical, magnetic & thermal chemical properties

TECHNETICS GROUP

EnPro Industries companies

305 Fentress Boulevard
Daytona Beach, FL 32114 USA

Phone: 386-253-0628

Fax: 386-257-0122

sales@techneticsgroup.com
techneticsgroup.com

Technetics
GROUP

EnPro Industries companies