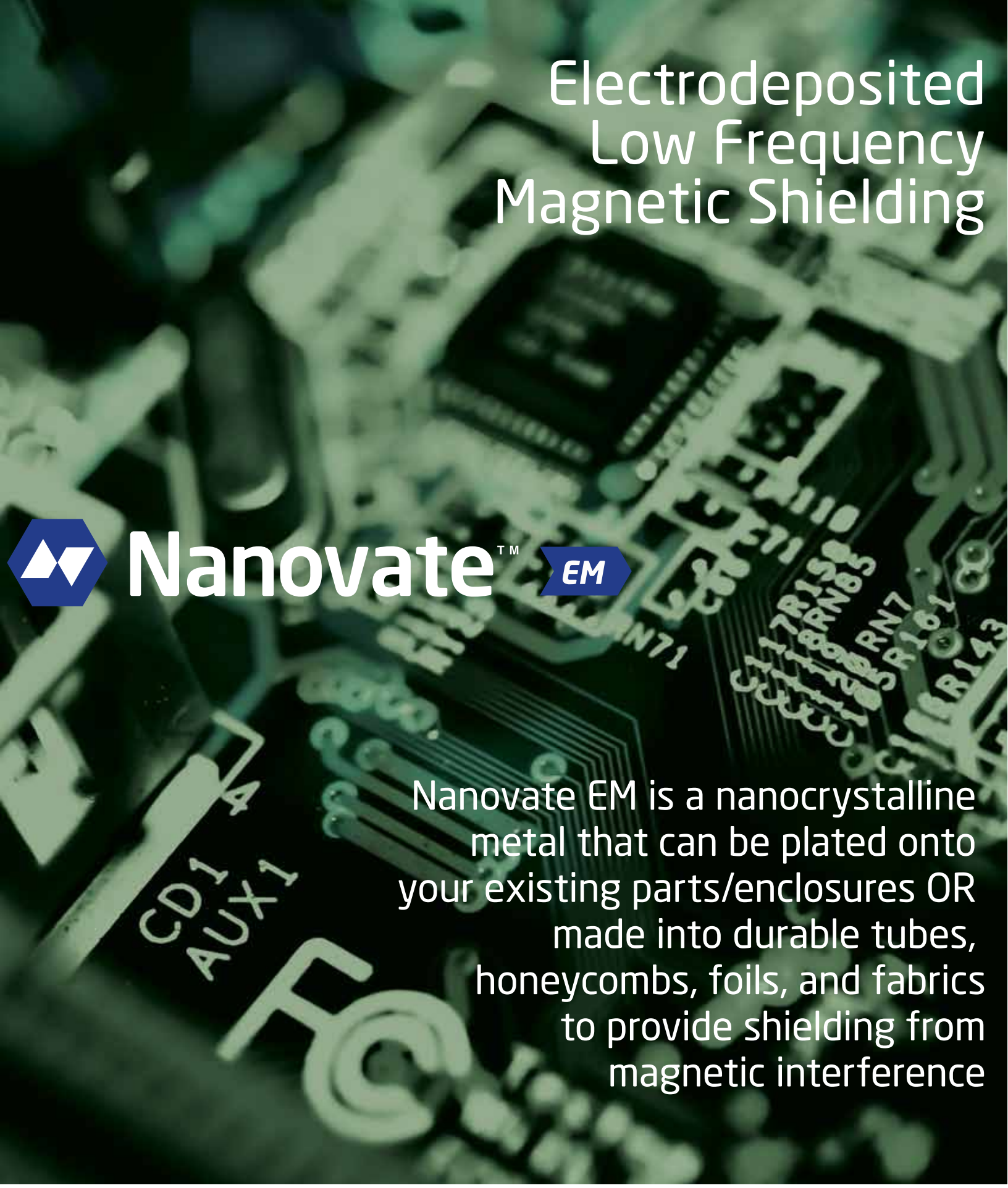

Electrodeposited Low Frequency Magnetic Shielding

Nanovate™ EM

Nanovate EM is a nanocrystalline metal that can be plated onto your existing parts/enclosures OR made into durable tubes, honeycombs, foils, and fabrics to provide shielding from magnetic interference

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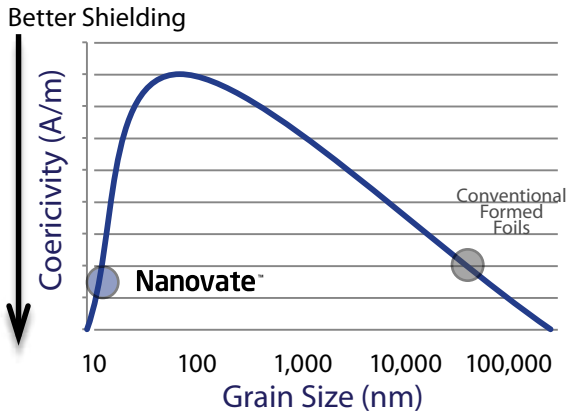
THE NEXT GENERATION OF HIGH PERFORMANCE MATERIALS

Nanovate™ EM

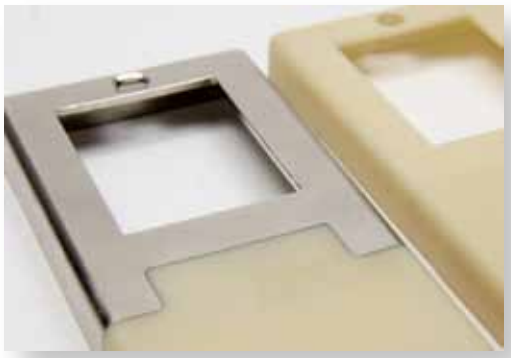
What is Nanovate™ EM

- Nanovate EM is an electrodeposited nanocrystalline metal that can shield low frequency magnetic interference



- Instead of awkward forming of conventional shielding foils, the Nanovate EM coating, can be used to directly coat complex parts, or make unique, cost effective standalone parts

- Can also plate Nanovate™ onto:
  - Plastics (ABS, Nylon, PEEK. . .)
  - Metal (Al, Cu, Steel. . .)
  - Fiber Composites



- Typical shield thicknesses are 0.001 – 0.010”

- Nanovate EM is particularly cost effective for medium to high volume production, but can also be used to coat large low volume parts like vacuum chambers

Features and Benefits

- Nanovate™ is not susceptible to strain induced performance drops (dropping parts, press fit assemblies)

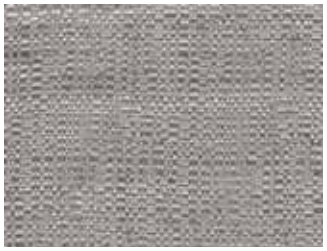
- Coating process means “leaky” seams are eliminated

- Direct coating conforms to product shape, eliminating bulk and weight

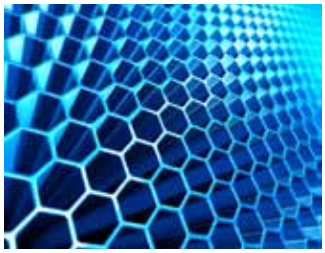
- No costly annealing or re-annealing step is required to achieve shielding performance

Available As

Tubes



Foils/Fabrics



Honeycombs

On Your Cusotm Part