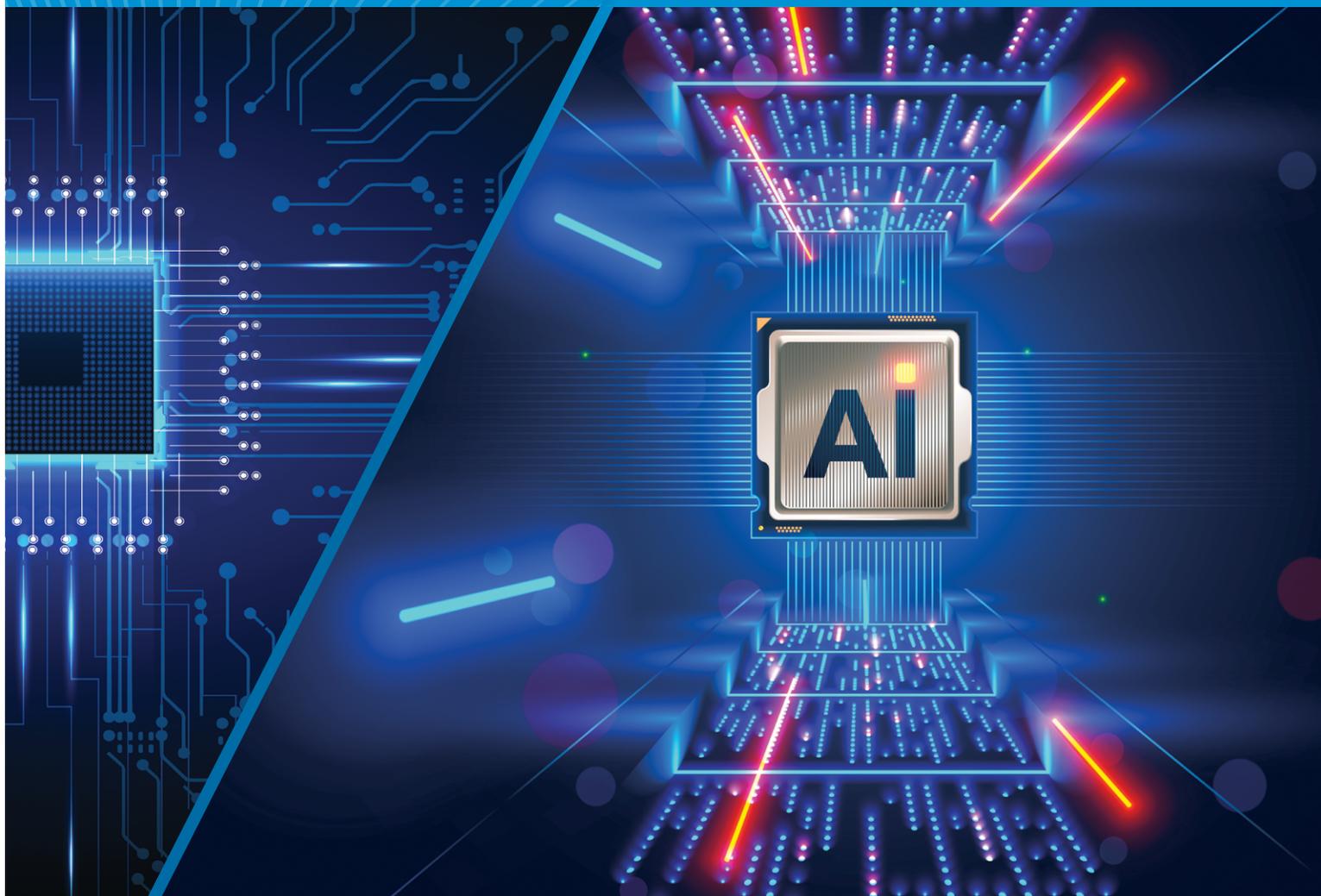




MATERION

TantElite™ Tantalum
Sputtering Targets





TantElite™ Tantalum Sputtering Targets

Materion offers the industry's widest portfolio of high purity melted and sintered tantalum targets for all major OEM tool platforms and target configurations in 200 mm and 300 mm wafer size. Our in-house, vertically integrated, end-to-end process encompasses everything from melting and machining to heat treatment and recycling.

WHY CHOOSE MATERION TANTALUM TARGETS?

- Decades of expertise in high-volume production of texture- and microstructure-controlled tantalum
- >99.995% pure tantalum with chemical and metallurgical uniformity in TantElite sputtering targets and plates
- Highly consistent sintered products allowing for faster qualification and wider operating window
- Customized melted products tailored to specific customer needs
- Proven plate-to-plate repeatability
- State-of-the-art facility in Dangjin City, Korea, producing fully finished tantalum sputtering targets with materials sourced from our Newton, Massachusetts, site
- In-house ISO-17025 certified laboratories for comprehensive analytical testing

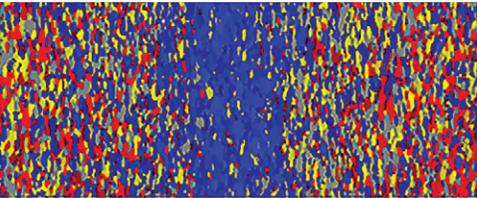
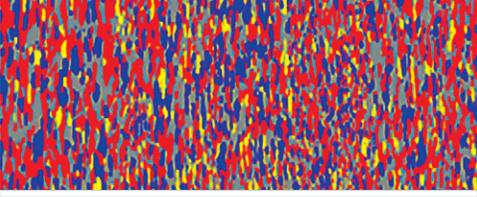
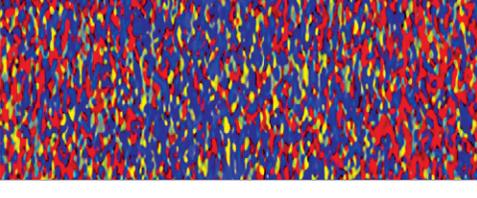
SUSTAINABLE, RESPONSIBLE

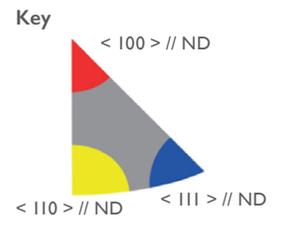
Doing the right thing is at the core of our business. This fundamental principle drives Materion's commitment to being socially and environmentally responsible, providing a safe and supportive work environment, and making a positive impact in our community.

We offer extensive tantalum recycling services and ensure that our tantalum products are RMAP-certified using RBA/RMI and DFARS-compliant materials. We are fully RMI-certified and also offer non-DRC/Rwanda/China material.





TantElite Products	Through-Thickness Texture, SEM/EBSD Map	Characteristics
Melted, M04		Mature, high-volume product
Melted, M24		Latest technology developed for advanced-node logic and memory devices with improved through-thickness texture consistency and uniformity control
Sintered, S26		High-volume, mass-production proven product for advanced memory technologies with precise film thickness control. Offers the best consistency target to target.



*/ND represents parallel to the normal direction

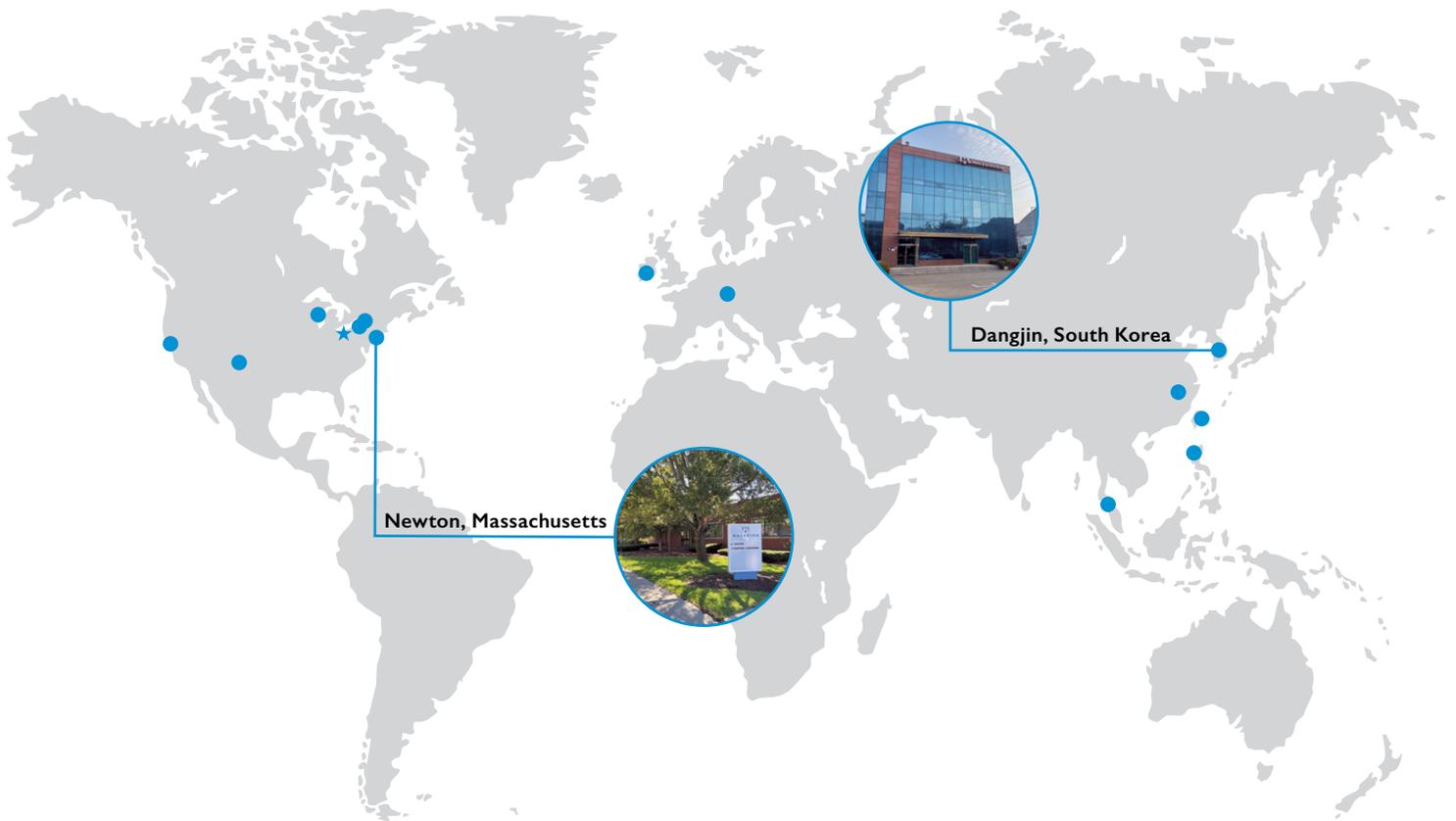
Quality & Environmental Leadership

Materion complies with state, federal, and relevant industry regulations. Our certifications include:

- ISO 9001:2015 Quality Systems
- ISO 14001:2015 Environmental Safety & Management Systems
- ISO 17025:2017 Analytical Laboratory
- AS9100D Aerospace Certification
- Responsible Minerals Assurance Process Standard for Tantalum 2017 Certification



Our Locations



Newton Manufacturing Site

45 Industrial Place
Newton, Massachusetts 02461-1950
Phone: +1 617.630.5800

Dangjin Manufacturing Site

17-50, Sanupdanji-gil
Myeoncheon-myeon
Dangjin-si, Chuncheongnam-do 31806,
South Korea
Phone: +82.2.3428.0070

ELECTRONIC MATERIALS GLOBAL FOOTPRINT

Manufacturing Sites

Alzenau, Germany
Brewster, New York
Buffalo, New York
Milwaukee, Wisconsin
Singapore, Singapore

Sales and Service Centers

Albuquerque, New Mexico
Limerick, Ireland
Santa Clara, California
Subic Bay, Philippines
Taoyuan City, Taiwan
Wheatfield, New York
Seoul, South Korea

**FOR MORE PRODUCT INFORMATION AND TO
REQUEST A QUOTE, VISIT MATERION.COM**

Contact Us - Buffalo

materion.com
connect@materion.com

Materion Global Headquarters

6070 Parkland Boulevard
Mayfield Heights, OH 44124 USA
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