

**TECHCET**

Electronics Materials Information



# 2022 CRITICAL MATERIALS REPORT™ SPUTTERING TARGETS

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## RESEARCH METHODOLOGY

TEHCET employs subject matter experts having first-hand experience within the industries which they analyze. Most of TEHCET's analysts have over 25 years of direct and relevant experience in their field. Our analysts survey the commercial and technical staff of IC manufacturers and their suppliers, and conduct extensive research of literature and commerce statistics to ascertain the current and future market environment and global supply risks. Combining this data with TEHCET's proprietary, quantitative wafer forecast results in a viable long-term market forecast for a variety of process materials.

## READER'S NOTE

This report represents the interpretation and analysis of information generally available to the public or released by responsible agencies or individuals. Data was obtained from sources considered reliable. However, accuracy or completeness is not guaranteed.

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- Furuya Metal Co. Ltd.
- GO Element Corp
- Grikin
- Honeywell Electronic Materials
- JX NIPPON
- and More



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# 2

## SCOPE, PURPOSE AND METHODOLOGY

## 2.1 PURPOSE

- This report covers the sputtering targets and supply-chain for key metals used in semiconductor device fabrication. The report contains data and analysis from TECHCET's data base and Sr. Analyst experience, as well as that developed from primary and secondary market research. For more information on TECHCET Critical materials Reports™ please go to <https://techcet.com>
- Sputtering targets are a critical in semiconductor manufacturing as sputtering allows the deposition of different materials to form interconnects, barriers layers, and other films for semiconductor devices, MEMS, and sensors.

## 2.2 METHODOLOGY

- TECHCET employs subject matter experts having first-hand experience within the industries which they analyze. Most of TECHCET's analysts have over 25 years of direct and relevant experience in their field. Our analysts survey the commercial and technical staff of IC manufacturers and their suppliers and conduct extensive research of literature and commerce statistics to ascertain the current and future market environment and global supply risks. Combining this data with TECHCET's proprietary, quantitative wafer forecast results in a viable long-term market forecast for a variety of process materials.

## 2.3 OVERVIEW OF OTHER TECHCET CMR™ REPORTS

- TEHCET produces electronic material supply chain reports each year as one of its functions for the Critical Materials Council. Reports to be published in 2022 can be found at [www.techcet.com](http://www.techcet.com) and are listed in the table below:

2022	CMR Report Schedule
1	<b>CMP Pads and Slurry</b>
2	<b>Electronic Gases</b>
3	<b>Photoresist</b>
4	<b>Precursors - Dielectric Precursors</b>
5	<b>Precursors - Hi K / ALD CVD Metal Precursors</b>
6	<b>Silicon Wafers</b>
7	<b>Specialty Cleaning Chems / Wet Chems</b>
8	<b>Metal Chemicals</b>
9	<b>Targets</b>
10	<b>Equipment Components – Quartz</b>
11	<b>Equipment Components – Ceramics/SiC</b>
12	<b>Equipment Components- Si parts</b>
13	<b>Impact of Fab Expansion on EU Wet Chemicals</b>
14	<b>2021 Impact of Fab Expansion on US Wet Chemicals</b>