
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM SD

Specialized Disclosure Report

Applied Materials, Inc.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation or organization)

000-06920
(Commission File Number)

94-1655526
(IRS Employer
Identification No.)

3050 Bowers Avenue
P.O. Box 58039 Santa Clara, CA
(Address of principal executive offices)

95054-3299
(Zip Code)

Teri A. Little Esq.
Senior Vice President, Chief Legal Officer and Corporate Secretary
(408) 727-5555
(Name and telephone number, including area code,
of the person to contact in connection with this report.)

Check the appropriate box to indicate the rule pursuant to which this form is being filed, and provide the period to which the information in this form applies:

- Rule 13p-1 under the Securities and Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to December 31, 2022.
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SECTION 1 – CONFLICT MINERALS DISCLOSURE

Item 1.01: *Conflict Minerals Disclosure and Report*

Applied Materials, Inc. has filed a Conflict Minerals Report as an exhibit to this report on Form SD and has also posted the report on its publicly available Company website at <http://www.appliedmaterials.com/company/corporate-responsibility/sustainability>.

Item 1.02: *Exhibit*

A Conflict Minerals Report is attached as Exhibit 1.01 to this report.

SECTION 2 – EXHIBITS

Item 2.01: *Exhibits*

<u>Exhibit No.</u>	<u>Description</u>
1.01	Conflict Minerals Report as required by Items 1.01 and 1.02 of this Form.

**APPLIED MATERIALS, INC.
CONFLICT MINERALS REPORT
FOR YEAR ENDED DECEMBER 31, 2022**

This is the Conflict Minerals Report of Applied Materials, Inc., including its subsidiaries (collectively, “Applied” or the “Company”), prepared in accordance with Rule 13p-1 under the Securities Exchange Act of 1934. Terms used in this report have the meaning specified in Rule 13p-1 and/or Form SD issued by the Securities and Exchange Commission, except as otherwise expressly defined herein. Form SD defines “conflict minerals” as cassiterite, columbite-tantalite (coltan) and wolframite (and their derivatives, tin, tantalum and tungsten, respectively), and gold, regardless of the geographic origin of the minerals and whether or not they fund armed conflict. This report pertains to products manufactured from January 1 through December 31, 2022 for which any conflict minerals are necessary to the functionality or production of the product, as described further below.

Company Overview

A global company with a broad set of capabilities in materials engineering, Applied provides manufacturing equipment, services and software to the semiconductor, display, and related industries, and operates under three reportable segments: Semiconductor Systems, Applied Global Services, and Display and Adjacent Markets.

Applied Materials is committed to the responsible sourcing of materials used in our products and requires its direct suppliers to reasonably ensure products they sell to Applied do not contain conflict minerals unless these originated outside the Democratic Republic of the Congo or an adjoining country (collectively, the “DRC”) or from RMI “Conformant” sources within the DRC, as further defined below. Applied does not directly purchase raw ore or unrefined conflict minerals, nor does it have a direct relationship with any mines of origin or with any smelters or refiners (collectively, “smelters”) that process these minerals. Rather, Applied is a downstream company with an extensive and complex supply chain from which it purchases parts, components and assemblies (collectively, “Parts”). The Company’s manufacturing activities consist primarily of the assembly, testing and integration of various proprietary and commercial Parts that are used to manufacture systems. Applied has a distributed manufacturing model under which manufacturing and supply chain activities are conducted at its facilities, or those of contract manufacturers, located in various countries. Applied’s equipment products, due to their size and complexity, generally consist of thousands of Parts sourced from a multitude of suppliers. Applied relies on its direct suppliers to provide information on the origin of any conflict minerals contained in Parts they sell to the Company, including the source of conflict minerals they obtain from lower tier suppliers and smelters.

As detailed in this report, our approach to verifying the source and chain of custody of conflict minerals in our supply chain is designed to conform in all material respects with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas: Third Edition and the related Supplements (“OECD Guidance”).

Products Covered by this Report

Tantalum, tin, tungsten and gold are metals commonly used in the electronics and related industries due to physical properties that make them well-suited for a variety of applications, such as in cables, printed circuit boards, power supplies, capacitors, solder alloys and certain plastics. As a result, all or substantially all of Applied’s equipment products, and many of its spare parts products, manufactured in 2022 include

components for which one or more conflict minerals are necessary to the functionality or production of the product and are therefore considered “Covered Products” for purposes of this report. The following is a general description of Covered Products by reporting segment.

Semiconductor Systems. Applied’s Semiconductor Systems segment develops, manufactures and sells a wide range of manufacturing equipment used to fabricate semiconductor chips, also referred to as integrated circuits (ICs). The Semiconductor Systems segment includes semiconductor capital equipment used for many steps of the chip making process including the transfer of patterns into device structures, transistor and interconnect fabrication, metrology, inspection and review, and packaging technologies for connecting finished IC die. The company’s platforms that perform these functions include: the Axcela™, Centris®, Centura®, Charger™, Endura®, Mirra®, Nokota™, Olympia™, P-300BV, Picosun® Morpher, Producer®, Raider®, Radiance, Reflexion®, Sprinter, Vantage® and VIISta® platforms. Applied’s metrology and inspection systems, which include the Enlight®, PROvision®, SEMVision®, UVision®, VeritySEM® and Aera4™ Mask Inspection systems, are used to locate, measure and analyze defects and features on the wafer during various stages of the fabrication processes. The majority of Applied’s new equipment sales are to leading integrated device manufacturers and foundries worldwide.

Applied Global Services. This segment provides integrated solutions to optimize equipment and fab performance and productivity, including spares, upgrades, services, remanufactured earlier generation equipment and factory automation software for semiconductor, display and other products.

Display and Adjacent Markets. This segment is comprised primarily of products for manufacturing liquid crystal displays (LCDs), organic light-emitting diodes (OLEDs), and other display technologies for TVs, monitors, laptops, personal computers (PCs), electronic tablets, smart phones and other consumer-oriented devices. While similarities exist between the technologies utilized in semiconductor and display fabrication, the most significant differences are in the size and composition of the substrate. Substrates used to manufacture display panels and other devices are typically glass, although newer flexible materials are entering the market. The Display and Adjacent Markets segment offers a variety of products and technologies, including: the AKT® Electron Beam Array Test system for array test, AKT® PECVD systems for CVD, AKT® Aristo™ and PiVol™ systems for PVD, AKT® TFE systems for thin-film encapsulation, and the AKT® Electron Beam Review system for defect review.

Other Products. Applied’s Baccini® systems are used for fabricating crystalline-silicon (c-Si) solar PV cells. Applied’s flexible coating systems, which include TopBeam™, TopMet™ and SmartWeb®, utilize physical vapor deposition, thermal evaporation, chemical vapor deposition and e-beam technology to deposit thin layers of metal onto flexible substrates for packaging, flexible electronics and security industries.

Applied’s Conflict Mineral’s Compliance Program and Findings

Applied conducted in good faith a reasonable country of origin inquiry (“RCOI”) that it believes was reasonably designed to determine whether any of the necessary conflict minerals in its Covered Products manufactured in 2022 originated in the Democratic Republic of the Congo or an adjoining country (collectively, the “DRC”), or Conflict Affected High Risk Areas (CAHRAs), or were from recycled or scrap sources. Based on its RCOI, Applied determined it had insufficient information to conclude either (i) that all of its necessary conflict minerals originated outside the DRC or any CAHRAs or from sources within the DRC or any CAHRAs deemed “Conformant” by the Responsible Minerals Initiative (“RMI”), or (ii) that all of its necessary conflict minerals came from recycled or scrap sources.

Applied therefore undertook further due diligence on the source and chain of custody of necessary conflict minerals contained in its Covered Products. Its due diligence approach was designed to conform

in all material respects with the OECD Guidance. Since 2019, the Company has retained Assent Compliance (“Assent”), a third-party service provider, to assist Applied in conducting outreach to suppliers and evaluating the suppliers’ responses and their smelter engagements.

For calendar year 2022, Applied started with the list of surveyed suppliers for calendar year 2021 (211 suppliers) and added suppliers considered reasonably likely to provide Parts containing conflict minerals to arrive at a target list of suppliers to be contacted by Assent on behalf of Applied (the “Surveyed Suppliers”) (292 in total). The Surveyed Suppliers represent approximately 77% of the Company’s actual total expenditures to all direct suppliers for fiscal year 2022.¹ Ninety-nine percent (99%) of the Surveyed Suppliers responded. Approximately 22% of the responding Surveyed Suppliers provided product-level responses. Of the Smelters or Refiners that were reported by the Surveyed Suppliers, 8% used minerals that originated from 100% recycled or scrap sources.

The table below summarizes certain information pertaining to smelters identified by Surveyed Suppliers. The Responsible Minerals Initiative (“RMI”), of which Applied is a member, was founded by the Responsible Business Alliance (“RBA”), formerly the Electronics Industry Citizenship Coalition (“EICC”), and the Global eSustainability Initiative. Under the RMI, “Conformant” smelters are those smelters that are conformant with the Responsible Minerals Assurance Process (“RMAP”) assessment protocols. “Active” smelters and refiners are participants in the RMAP who have agreed in writing to undergo a third-party audit or are participating in one of the cross-recognized certification programs, signed an “Agreement for the Exchange of Confidential Information” and submitted a due diligence checklist. The classification of smelters considered Conformant or Active is current as of January 9, 2023.

Number of RMI “Conformant” smelters	229
Number of RMI “Active” smelters	15
Number of “Eligible” smelters reported to be located in the DRC that are not rated “Conformant” or “Active”	2

As a result of its due diligence, Applied found evidence of potential sourcing from two gold smelters in the DRC (CID003185 - African Gold Refinery and CID002567 - Sudan Gold Refinery). These two smelters have not been assessed by the RMI. Information about these smelters was provided to Applied by fourteen Surveyed Suppliers as “product-level” responses, but these responses lacked a chain of custody and therefore were insufficient to tie gold from one or more of these smelters to products supplied to Applied. Applied found no direct evidence that minerals from these two smelters were incorporated into its Covered Products. Thus, it is uncertain whether these smelters are part of Applied’s supply chain.

In the past, the Company had instructed the affected Surveyed Suppliers to remove these two smelters from their supply chains and to require their relevant sub-tier suppliers to request the smelters to join the RMAP. However, many Surveyed Suppliers have no direct relationship with the smelters and are merely reporting information they received from their suppliers. Therefore, the Company’s Responsible Minerals Sourcing Team is contacting these smelters directly, as well as other smelters reported by the Surveyed Suppliers that are not RMI Conformant or Active; Assent is contacting the smelters on behalf of Applied; and the Company is also contacting the smelters via working groups within the RMI, urging them to submit to an RMI assessment and conform to the RMAP.

Attached as Appendix A is a list of the smelters or refiners identified by the Surveyed Suppliers as the facilities that process conflict minerals necessary to their products. Since the majority of the Surveyed Suppliers reported smelter information at the company level and not at the product level, and they did not identify the specific smelter that processed conflict minerals contained in a particular Part, we do not know with certainty that each smelter or refiner listed in Appendix A processed minerals that were used in the

¹ Applied’s fiscal year ends on the last Sunday in October.

Parts we purchased. However, as an improvement over prior years, a growing number of Surveyed Suppliers submitted product specific Conflict Minerals Reporting Templates (“Templates”) (63 of the 292 Surveyed Suppliers who responded to our due diligence request).

For the significant majority of smelters reported by the Surveyed Suppliers, there is inadequate information available to assess the source of the conflict minerals they process. Therefore, for Covered Products manufactured in 2022, Applied concluded in good faith that it lacks sufficient information to trace the chain of custody of any conflict minerals contained in its Covered Products up through the supply chain to a specific smelter or, in turn, to a country or mine of origin.

Applied’s Due Diligence Process

Applied’s due diligence approach on the source and chain of custody of its necessary conflict minerals was designed to conform in all material respects with the OECD Guidance. The OECD Guidance is an internationally recognized due diligence framework consisting of a multi-step, risk-based process, certain aspects of which differ depending in part on the position of a company in the supply chain. Applied is a “downstream” company, which refers to supply chain participants from the smelter to the retailer, in contrast to those “upstream,” that is, from the mine to the smelter.

As a downstream provider of finished products, Applied does not have direct relationships with smelters and does not perform or specify audits of such entities upstream in its supply chain. Through its membership and participation in the RBA, RMI and related working groups, Applied believes that seeking reliable information about smelters in its supply chain from its direct suppliers represents a reasonable and cost-effective approach to determine the mines or other locations of origin of conflict minerals in its products.

Company Management System

Applied established a cross-functional Responsible Minerals Sourcing Compliance Team, which is responsible for implementing the Company’s Responsible Minerals Sourcing program and briefing senior management about the results of these due diligence efforts. As noted above, Applied uses Assent to assist with evaluating supply chain information regarding conflict minerals, identifying potential risks and developing appropriate mitigation strategies. In addition, Applied leverages Assent’s Managed Services and works with dedicated program specialists to support and improve Applied’s Responsible Minerals Sourcing program.

The Company expects its suppliers to have programs and procedures in place to ensure that any conflict minerals used in the production of products sold to Applied conform to the requirements of the RMI. This means that products must not contain conflict minerals that directly or indirectly finance or benefit armed groups in the DRC. In addition, as a member of the RBA, Applied requires its suppliers to conform to the RBA Code of Conduct, which includes requirements pertaining to the responsible sourcing of conflict minerals. Such requirements, along with a requirement that suppliers provide completed Conflict Minerals Reporting Templates at Applied’s request, also are reflected in supplier contracts. If Applied learns that a Surveyed Supplier does not meet the Company’s requirements, Applied pursues appropriate corrective action.

Violations or grievances related to conflict minerals can be reported at the industry level to the RMI at <http://www.responsiblemineralsinitiative.org/>.

Applied retains relevant documentation for a period of five years, including Templates completed by the Surveyed Suppliers.

Risk Identification and Assessment

In light of the complexity of its supply chain, Applied used a risk-based approach in designing the scope of its RCOI and due diligence process. As previously noted, the Company focused on direct suppliers who previously indicated the products they provide to Applied contain conflict minerals, and then added suppliers considered reasonably likely to provide Parts containing conflict minerals, to arrive at the target list of Surveyed Suppliers. Assent conducted the outreach to the Surveyed Suppliers with support from Applied's Responsible Minerals Sourcing Compliance Team. Applied then compared information provided by the Surveyed Suppliers with data from RMI concerning the RMAP audit status of the applicable smelter or refiner.

The Conflict Minerals Reporting Template (the "Template") developed by the RMI was used to collect information on the conflict minerals that may be in Covered Products manufactured in 2022. The Template was designed to facilitate a supplier's disclosure of information regarding conflict minerals contained in the supplier's products, including the country of origin and the name and location of the smelters that process the conflict minerals. Using the Assent Sustainability Manager ("ASM"), a software-as-a-service platform provided by Assent, Assent and Applied contacted the Surveyed Suppliers and requested them to complete the Template with respect to Parts they supplied to Applied and to upload their completed Templates directly to the platform for validation, assessment and management. The ASM provides functionality that meets the OECD Guidance process expectations by evaluating the quality of each supplier response to increase the accuracy of submissions.

Risks at the supplier level may include non-responsive suppliers, incomplete Templates or Templates that are submitted at the company level and are not directly relevant to products manufactured by Applied. Applied received wholly or partially completed Templates from 99% of its Surveyed Suppliers. The majority of the responding Surveyed Suppliers provided data at a company or "user defined" level, rather than at a part number level, a permitted option under the Template. Those suppliers who reported at a user defined level reported data at the business division level. As noted above, approximately 22% of the Surveyed Suppliers submitted data at a part number level.

Applied worked with Assent to assess the status of smelters and refiners identified in the supply chain by the Surveyed Suppliers who listed mineral processing facilities in their Templates. Each identified smelter or refiner of a conflict mineral is assessed according to red-flag indicators defined in the OECD Guidance. These factors include geographic proximity to the DRC, known mineral source country of origin, RMAP audit status, credible evidence of unethical or conflict sourcing and peer assessments conducted by credible third-party sources. Such smelters are labeled smelters of interest. Applied then used Assent's findings to determine which Surveyed Suppliers required further engagement, such as those who reported "red-flag smelters" or who provided incomplete, untimely or inconsistent information, and made further inquiries of those suppliers.

Applied was not required to, and it did not, obtain an independent private sector audit of its due diligence approach.

Risk Mitigation Strategy and Future Due Diligence

Risk mitigation activities included asking Surveyed Suppliers to provide product specific Templates. In addition, in 2022, the Company supported approximately 17 smelters undergoing RMI assessments to retain their "Conformant" status.

We refined our due diligence efforts during calendar year 2022: we increased the number of Surveyed Suppliers by approximately 38% in comparison to the prior year by including suppliers who sell products to Applied that do contain conflict minerals:

<u>Report Year</u>	<u>Number of Surveyed Suppliers</u>	<u>Response Rate</u>
2018	183	100%
2019	260	98%
2020	430*	100%
2021	211	96%
2022	292	99%

* In 2020, 219 of the Surveyed Suppliers responded that the products they supplied to Applied did not include conflict minerals. Because these suppliers had provided a similar response for the two years prior to 2020, they were not included within the scope of Surveyed Suppliers for our 2021 outreach.

Applied intends to improve its ability to identify suppliers reasonably likely to provide Parts containing conflict minerals as well as its ability to link the smelter information its suppliers report to specific products they supply to Applied by requiring suppliers to provide product level Templates for tantalum target, gold plating and special process parts and continuing to work with Assent to improve the quality of data submitted by the suppliers. Applied further has undertaken to report relevant smelter information it obtains to RMI, and to encourage its suppliers to reach out (or to encourage their own suppliers to reach out) to upstream smelters that provide them with conflict minerals and require that such smelters obtain a “conflict-free” designation from an industry program such as the RMAP. To this end, Applied and Assent, on behalf of Applied, will continue to communicate directly with smelters reported by the Surveyed Suppliers who have not yet been deemed conformant with the RMAP to request sourcing information and encourage the smelters to engage with the RMAP program. Applied is a co-chair of the RMAP Smelter Engagement Team, which contacts smelters and assists them with undergoing RMAP assessments to validate the smelters’ company-level management processes for responsible minerals procurement. Such engagement is expected to increase participation and retention of the smelters in the RMAP program. In addition, the Company is exploring other opportunities for increasing the use of recycled minerals in products it purchases.

Forward-Looking Statement Disclaimer

This report includes forward-looking statements, including but not limited to those regarding Applied’s expected future supplier due diligence and engagement efforts and development of related processes. These statements and their underlying assumptions are subject to risks and uncertainties. Factors that could cause actual results to differ materially from those expressed or implied by such statements include, without limitation: regulatory changes and judicial developments relating to conflict minerals disclosure; changes in our supply chain, components and parts, or products; industry developments relating to supply chain diligence, disclosure and other practices; and other risks and uncertainties described in our SEC filings, including our recent Forms 10-Q and 8-K. All forward-looking statements are based on management’s current estimates, projections and assumptions, and we assume no obligation to update them.

Appendix A

Section 1: Smelters and Refiners Identified by Surveyed Suppliers

<u>Metal</u>	<u>Smelter / Refiner Name</u>	<u>Country</u>	<u>Smelter ID</u>
Gold	8853 S.p.A.	Italy	CID002763
Gold	ABC Refinery Pty Ltd.	Australia	CID002920
Gold	Abington Reldan Metals, LLC	United States Of America	CID002708
Gold	Advanced Chemical Company	United States Of America	CID000015
Gold	African Gold Refinery	Uganda	CID003185
Gold	Agosi AG	Germany	CID000035
Gold	Aida Chemical Industries Co., Ltd.	Japan	CID000019
Gold	Al Etihad Gold Refinery DMCC	United Arab Emirates	CID002560
Gold	Albino Mountinho Lda.	Portugal	CID002760
Gold	Alexy Metals	United States Of America	CID003500
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	Uzbekistan	CID000041
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	Brazil	CID000058
Gold	Argor-Heraeus S.A.	Switzerland	CID000077
Gold	Asahi Pretec Corp.	Japan	CID000082
Gold	Asahi Refining Canada Ltd.	Canada	CID000924
Gold	Asahi Refining USA Inc.	United States Of America	CID000920
Gold	Asaka Riken Co., Ltd.	Japan	CID000090
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	Turkey	CID000103
Gold	AU Traders and Refiners	South Africa	CID002850
Gold	Augmont Enterprises Private Limited	India	CID003461
Gold	Aurubis AG	Germany	CID000113
Gold	Bangalore Refinery	India	CID002863
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	Philippines	CID000128
Gold	Boliden AB	Sweden	CID000157
Gold	C. Hafner GmbH + Co. KG	Germany	CID000176
Gold	C.I Metales Procesados Industriales SAS	Colombia	CID003421
Gold	Caridad	Mexico	CID000180
Gold	CCR Refinery - Glencore Canada Corporation	Canada	CID000185
Gold	Cendres + Metaux S.A.	Switzerland	CID000189
Gold	CGR Metalloys Pvt Ltd.	India	CID003382
Gold	Chimet S.p.A.	Italy	CID000233
Gold	Chugai Mining	Japan	CID000264
Gold	Daye Non-Ferrous Metals Mining Ltd.	China	CID000343
Gold	Degussa Sonne / Mond Goldhandel GmbH	Germany	CID002867
Gold	Dijllah Gold Refinery FZC	United Arab Emirates	CID003348

Metal	Smelter / Refiner Name	Country	Smelter ID
Gold	Dongwu Gold Group	China	CID003663
Gold	Dowa	Japan	CID000401
Gold	DSC (Do Sung Corporation)	Korea, Republic Of	CID000359
Gold	Eco-System Recycling Co., Ltd. East Plant	Japan	CID000425
Gold	Eco-System Recycling Co., Ltd. North Plant	Japan	CID003424
Gold	Eco-System Recycling Co., Ltd. West Plant	Japan	CID003425
Gold	Emerald Jewel Industry India Limited (Unit 1)	India	CID003487
Gold	Emerald Jewel Industry India Limited (Unit 2)	India	CID003488
Gold	Emerald Jewel Industry India Limited (Unit 3)	India	CID003489
Gold	Emerald Jewel Industry India Limited (Unit 4)	India	CID003490
Gold	Emirates Gold DMCC	United Arab Emirates	CID002561
Gold	Fidelity Printers and Refiners Ltd.	Zimbabwe	CID002515
Gold	Fujairah Gold FZC	United Arab Emirates	CID002584
Gold	Geib Refining Corporation	United States Of America	CID002459
Gold	GGC Gujrat Gold Centre Pvt. Ltd.	India	CID002852
Gold	Gold by Gold Colombia	Colombia	CID003641
Gold	Gold Coast Refinery	Ghana	CID003186
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	China	CID002243
Gold	Great Wall Precious Metals Co., Ltd. of CBPM	China	CID001909
Gold	Guangdong Jinding Gold Limited	China	CID002312
Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	China	CID000651
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	China	CID000671
Gold	Heimerle + Meule GmbH	Germany	CID000694
Gold	Heraeus Germany GmbH Co. KG	Germany	CID000711
Gold	Heraeus Metals Hong Kong Ltd.	China	CID000707
Gold	Hunan Chenzhou Mining Co., Ltd.	China	CID000767
Gold	Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.	China	CID000773
Gold	HwaSeong CJ CO., LTD.	Korea, Republic Of	CID000778
Gold	Industrial Refining Company	Belgium	CID002587
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	China	CID000801
Gold	International Precious Metal Refiners	United Arab Emirates	CID002562
Gold	Ishifuku Metal Industry Co., Ltd.	Japan	CID000807
Gold	Istanbul Gold Refinery	Turkey	CID000814
Gold	Italpreziosi	Italy	CID002765
Gold	JALAN & Company	India	CID002893
Gold	Japan Mint	Japan	CID000823
Gold	Jiangxi Copper Co., Ltd.	China	CID000855
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	Russian Federation	CID000927
Gold	JSC Novosibirsk Refinery	Russian Federation	CID000493

Metal	Smelter / Refiner Name	Country	Smelter ID
Gold	JSC Uralelectromed	Russian Federation	CID000929
Gold	JX Nippon Mining & Metals Co., Ltd.	Japan	CID000937
Gold	K.A. Rasmussen	Norway	CID003497
Gold	Kaloti Precious Metals	United Arab Emirates	CID002563
Gold	Kazakhmys Smelting LLC	Kazakhstan	CID000956
Gold	Kazzinc	Kazakhstan	CID000957
Gold	Kennecott Utah Copper LLC	United States Of America	CID000969
Gold	KGHM Polska Miedz Spolka Akcyjna	Poland	CID002511
Gold	Kojima Chemicals Co., Ltd.	Japan	CID000981
Gold	Korea Zinc Co., Ltd.	Korea, Republic Of	CID002605
Gold	Kundan Care Products Ltd.	India	CID003463
Gold	Kyrgyzaltyn JSC	Kyrgyzstan	CID001029
Gold	Kyshtym Copper-Electrolytic Plant ZAO	Russian Federation	CID002865
Gold	L'azurde Company For Jewelry	Saudi Arabia	CID001032
Gold	Lingbao Gold Co., Ltd.	China	CID001056
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	China	CID001058
Gold	L'Orfebre S.A.	Andorra	CID002762
Gold	LS-NIKKO Copper Inc.	Korea, Republic Of	CID001078
Gold	LT Metal Ltd.	Korea, Republic Of	CID000689
Gold	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	China	CID001093
Gold	Marsam Metals	Brazil	CID002606
Gold	Materion	United States Of America	CID001113
Gold	Matsuda Sangyo Co., Ltd.	Japan	CID001119
Gold	MD Overseas	India	CID003548
Gold	Metal Concentrators SA (Pty) Ltd.	South Africa	CID003575
Gold	Metallix Refining Inc.	United States Of America	CID003557
Gold	Metalor Technologies (Hong Kong) Ltd.	China	CID001149
Gold	Metalor Technologies (Singapore) Pte., Ltd.	Singapore	CID001152
Gold	Metalor Technologies (Suzhou) Ltd.	China	CID001147
Gold	Metalor Technologies S.A.	Switzerland	CID001153
Gold	Metalor USA Refining Corporation	United States Of America	CID001157
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	Mexico	CID001161
Gold	Mitsubishi Materials Corporation	Japan	CID001188
Gold	Mitsui Mining and Smelting Co., Ltd.	Japan	CID001193
Gold	MKS PAMP SA	Switzerland	CID001352
Gold	MMTC-PAMP India Pvt., Ltd.	India	CID002509
Gold	Modeltech Sdn Bhd	Malaysia	CID002857
Gold	Morris and Watson	New Zealand	CID002282
Gold	Moscow Special Alloys Processing Plant	Russian Federation	CID001204

Metal	Smelter / Refiner Name	Country	Smelter ID
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	Turkey	CID001220
Gold	Navoi Mining and Metallurgical Combinat	Uzbekistan	CID001236
Gold	NH Recytech Company	Korea, Republic Of	CID003189
Gold	Nihon Material Co., Ltd.	Japan	CID001259
Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	Austria	CID002779
Gold	Ohura Precious Metal Industry Co., Ltd.	Japan	CID001325
Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	Russian Federation	CID001326
Gold	Pease & Curren	United States Of America	CID002872
Gold	Penglai Penggang Gold Industry Co., Ltd.	China	CID001362
Gold	Planta Recuperadora de Metales SpA	Chile	CID002919
Gold	Prioksky Plant of Non-Ferrous Metals	Russian Federation	CID001386
Gold	PT Aneka Tambang (Persero) Tbk	Indonesia	CID001397
Gold	PX Precinox S.A.	Switzerland	CID001498
Gold	QG Refining, LLC	United States Of America	CID003324
Gold	Rand Refinery (Pty) Ltd.	South Africa	CID001512
Gold	Refinery of Seemine Gold Co., Ltd.	China	CID000522
Gold	REMONDIS PMR B.V.	Netherlands	CID002582
Gold	Royal Canadian Mint	Canada	CID001534
Gold	SAAMP	France	CID002761
Gold	Sabin Metal Corp.	United States Of America	CID001546
Gold	Safimet S.p.A	Italy	CID002973
Gold	SAFINA A.S.	Czechia	CID002290
Gold	Sai Refinery	India	CID002853
Gold	Samduck Precious Metals	Korea, Republic Of	CID001555
Gold	Samwon Metals Corp.	Korea, Republic Of	CID001562
Gold	Sancus ZFS (L'Orfebre, SA)	Colombia	CID003529
Gold	Sellem Industries Ltd.	Mauritania	CID003540
Gold	SEMPSA Joyeria Plateria S.A.	Spain	CID001585
Gold	Shandong Gold Smelting Co., Ltd.	China	CID001916
Gold	Shandong Humon Smelting Co., Ltd.	China	CID002525
Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	China	CID001619
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	China	CID001622
Gold	Shenzhen CuiLu Gold Co., Ltd.	China	CID002750
Gold	Shenzhen Zhonghenglong Real Industry Co., Ltd.	China	CID002527
Gold	Shirpur Gold Refinery Ltd.	India	CID002588
Gold	Sichuan Tianze Precious Metals Co., Ltd.	China	CID001736
Gold	Singway Technology Co., Ltd.	Taiwan	CID002516
Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	Russian Federation	CID001756
Gold	Solar Applied Materials Technology Corp.	Taiwan	CID001761

Metal	Smelter / Refiner Name	Country	Smelter ID
Gold	Sovereign Metals	India	CID003383
Gold	State Research Institute Center for Physical Sciences and Technology	Lithuania	CID003153
Gold	Sudan Gold Refinery	Sudan	CID002567
Gold	Sumitomo Metal Mining Co., Ltd.	Japan	CID001798
Gold	SungEel HiMetal Co., Ltd.	Korea, Republic Of	CID002918
Gold	Super Dragon Technology Co., Ltd.	Taiwan	CID001810
Gold	T.C.A S.p.A	Italy	CID002580
Gold	Tanaka Kikinzoku Kogyo K.K.	Japan	CID001875
Gold	Tokuriki Honten Co., Ltd.	Japan	CID001938
Gold	Tongling Nonferrous Metals Group Co., Ltd.	China	CID001947
Gold	TOO Tau-Ken-Altyn	Kazakhstan	CID002615
Gold	Torecom	Korea, Republic Of	CID001955
Gold	Umicore Precious Metals Thailand	Thailand	CID002314
Gold	Umicore S.A. Business Unit Precious Metals Refining	Belgium	CID001980
Gold	United Precious Metal Refining, Inc.	United States Of America	CID001993
Gold	Valcambi S.A.	Switzerland	CID002003
Gold	Value Trading	Belgium	CID003617
Gold	WEEEREFINING	France	CID003615
Gold	Western Australian Mint (T/a The Perth Mint)	Australia	CID002030
Gold	WIELAND Edelmetalle GmbH	Germany	CID002778
Gold	Yamakin Co., Ltd.	Japan	CID002100
Gold	Yokohama Metal Co., Ltd.	Japan	CID002129
Gold	Yunnan Copper Industry Co., Ltd.	China	CID000197
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	China	CID002224

Metal	Smelter / Refiner Name	Country	Smelter ID
Tantalum	5D Production OU	Estonia	CID003926
Tantalum	AMG Brasil	Brazil	CID001076
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	China	CID000211
Tantalum	D Block Metals, LLC	United States Of America	CID002504
Tantalum	F&X Electro-Materials Ltd.	China	CID000460
Tantalum	FIR Metals & Resource Ltd.	China	CID002505
Tantalum	Global Advanced Metals Aizu	Japan	CID002558
Tantalum	Global Advanced Metals Boyertown	United States Of America	CID002557
Tantalum	H.C. Starck Hermsdorf GmbH	Germany	CID002547
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	China	CID002492
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	China	CID002512
Tantalum	Jiangxi Tuohong New Raw Material	China	CID002842
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	China	CID000914

Metal	Smelter / Refiner Name	Country	Smelter ID
Tantalum	Jiujiang Tanbre Co., Ltd.	China	CID000917
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	China	CID002506
Tantalum	KEMET de Mexico	Mexico	CID002539
Tantalum	Materion Newton Inc.	United States Of America	CID002548
Tantalum	Metallurgical Products India Pvt., Ltd.	India	CID001163
Tantalum	Mineracao Taboca S.A.	Brazil	CID001175
Tantalum	Mitsui Mining and Smelting Co., Ltd.	Japan	CID001192
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	China	CID001277
Tantalum	NPM Silmet AS	Estonia	CID001200
Tantalum	QuantumClean	United States Of America	CID001508
Tantalum	Resind Industria e Comercio Ltda.	Brazil	CID002707
Tantalum	RFH Yancheng Jinye New Material Technology Co., Ltd.	China	CID003583
Tantalum	Solikamsk Magnesium Works OAO	Russian Federation	CID001769
Tantalum	Taki Chemical Co., Ltd.	Japan	CID001869
Tantalum	TANIOBIS Co., Ltd.	Thailand	CID002544
Tantalum	TANIOBIS GmbH	Germany	CID002545
Tantalum	TANIOBIS Japan Co., Ltd.	Japan	CID002549
Tantalum	TANIOBIS Smelting GmbH & Co. KG	Germany	CID002550
Tantalum	Telex Metals	United States Of America	CID001891
Tantalum	Ulba Metallurgical Plant JSC	Kazakhstan	CID001969
Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	China	CID000616
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	China	CID002508
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	China	CID001522

Metal	Smelter / Refiner Name	Country	Smelter ID
Tin	Alpha	United States Of America	CID000292
Tin	An Vinh Joint Stock Mineral Processing Company	Viet Nam	CID002703
Tin	Aurubis Beerse	Belgium	CID002773
Tin	Aurubis Berango	Spain	CID002774
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	China	CID000228
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	China	CID003190
Tin	China Tin Group Co., Ltd.	China	CID001070
Tin	CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda	Brazil	CID003486
Tin	CRM Synergies	Spain	CID003524
Tin	CV Ayi Jaya	Indonesia	CID002570
Tin	CV Venus Inti Perkasa	Indonesia	CID002455
Tin	Dongguan CiEXPO Environmental Engineering Co., Ltd.	China	CID003356
Tin	Dowa	Japan	CID000402
Tin	DS Myanmar	Myanmar	CID003831

Metal	Smelter / Refiner Name	Country	Smelter ID
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	Viet Nam	CID002572
Tin	EM Vinto	Bolivia	CID000438
Tin	Estanho de Rondonia S.A.	Brazil	CID000448
Tin	Fabrica Auricchio Industria e Comercio Ltda.	Brazil	CID003582
Tin	Fenix Metals	Poland	CID000468
Tin	Gejiu City Fuxiang Industry and Trade Co., Ltd.	China	CID003410
Tin	Gejiu Kai Meng Industry and Trade LLC	China	CID000942
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	China	CID000538
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	China	CID001908
Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	China	CID000555
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	China	CID003116
Tin	Jiangxi New Nanshan Technology Ltd.	China	CID001231
Tin	Luna Smelter, Ltd.	Rwanda	CID003387
Tin	Magnu's Minerais Metais e Ligas Ltda.	Brazil	CID002468
Tin	Malaysia Smelting Corporation (MSC)	Malaysia	CID001105
Tin	Melt Metais e Ligas S.A.	Brazil	CID002500
Tin	Metallic Resources, Inc.	United States Of America	CID001142
Tin	Mineracao Taboca S.A.	Brazil	CID001173
Tin	Minsur	Peru	CID001182
Tin	Mitsubishi Materials Corporation	Japan	CID001191
Tin	Modeltech Sdn Bhd	Malaysia	CID002858
Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	Viet Nam	CID002573
Tin	Novosibirsk Tin Combine	Russian Federation	CID001305
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	Thailand	CID001314
Tin	O.M. Manufacturing Philippines, Inc.	Philippines	CID002517
Tin	Operaciones Metalurgicas S.A.	Bolivia	CID001337
Tin	Pongpipat Company Limited	Myanmar	CID003208
Tin	Precious Minerals and Smelting Limited	India	CID003409
Tin	PT Aries Kencana Sejahtera	Indonesia	CID000309
Tin	PT Artha Cipta Langgeng	Indonesia	CID001399
Tin	PT ATD Makmur Mandiri Jaya	Indonesia	CID002503
Tin	PT Babel Inti Perkasa	Indonesia	CID001402
Tin	PT Babel Surya Alam Lestari	Indonesia	CID001406
Tin	PT Bangka Prima Tin	Indonesia	CID002776
Tin	PT Bangka Serumpun	Indonesia	CID003205
Tin	PT Bangka Tin Industry	Indonesia	CID001419
Tin	PT Belitung Industri Sejahtera	Indonesia	CID001421
Tin	PT Bukit Timah	Indonesia	CID001428
Tin	PT Cipta Persada Mulia	Indonesia	CID002696
Tin	PT Menara Cipta Mulia	Indonesia	CID002835
Tin	PT Mitra Stania Prima	Indonesia	CID001453

Metal	Smelter / Refiner Name	Country	Smelter ID
Tin	PT Mitra Sukses Globalindo	Indonesia	CID003449
Tin	PT Panca Mega Persada	Indonesia	CID001457
Tin	PT Premium Tin Indonesia	Indonesia	CID000313
Tin	PT Prima Timah Utama	Indonesia	CID001458
Tin	PT Putera Sarana Shakti (PT PSS)	Indonesia	CID003868
Tin	PT Rajawali Rimba Perkasa	Indonesia	CID003381
Tin	PT Refined Bangka Tin	Indonesia	CID001460
Tin	PT Sariwiguna Binasentosa	Indonesia	CID001463
Tin	PT Stanindo Inti Perkasa	Indonesia	CID001468
Tin	PT Sukses Inti Makmur	Indonesia	CID002816
Tin	PT Timah Nusantara	Indonesia	CID001486
Tin	PT Timah Tbk Kundur	Indonesia	CID001477
Tin	PT Timah Tbk Mentok	Indonesia	CID001482
Tin	PT Tinindo Inter Nusa	Indonesia	CID001490
Tin	PT Tirus Putra Mandiri	Indonesia	CID002478
Tin	PT Tommy Utama	Indonesia	CID001493
Tin	Resind Industria e Comercio Ltda.	Brazil	CID002706
Tin	Rui Da Hung	Taiwan	CID001539
Tin	Super Ligas	Brazil	CID002756
Tin	Thaisarco	Thailand	CID001898
Tin	Tin Smelting Branch of Yunnan Tin Co., Ltd.	China	CID002180
Tin	Tin Technology & Refining	United States Of America	CID003325
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	Viet Nam	CID002574
Tin	VQB Mineral and Trading Group JSC	Viet Nam	CID002015
Tin	White Solder Metalurgia e Mineracao Ltda.	Brazil	CID002036
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	China	CID002158
Tin	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	China	CID003397

Metal	Smelter / Refiner Name	Country	Smelter ID
Tungsten	A.L.M.T. Corp.	Japan	CID000004
Tungsten	ACL Metais Eireli	Brazil	CID002833
Tungsten	Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.	Brazil	CID003427
Tungsten	Artek LLC	Russian Federation	CID003553
Tungsten	Asia Tungsten Products Vietnam Ltd.	Viet Nam	CID002502
Tungsten	China Molybdenum Tungsten Co., Ltd.	China	CID002641
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	China	CID000258
Tungsten	CNMC (Guangxi) PGMA Co., Ltd.	China	CID000281
Tungsten	Cronimet Brasil Ltda	Brazil	CID003468
Tungsten	DONGKUK INDUSTRIES CO., LTD.	Korea, Republic Of	CID004060
Tungsten	Fujian Ganmin RareMetal Co., Ltd.	China	CID003401
Tungsten	Fujian Xinlu Tungsten Co., Ltd.	China	CID003609
Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	China	CID002645

Metal	Smelter / Refiner Name	Country	Smelter ID
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	China	CID000875
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	China	CID002315
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	China	CID002494
Tungsten	Global Tungsten & Powders LLC	United States Of America	CID000568
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	China	CID000218
Tungsten	H.C. Starck Tungsten GmbH	Germany	CID002541
Tungsten	HANNAE FOR T Co., Ltd.	Korea, Republic Of	CID003978
Tungsten	Hubei Green Tungsten Co., Ltd.	China	CID003417
Tungsten	Hunan Chenzhou Mining Co., Ltd.	China	CID000766
Tungsten	Hunan Jintai New Material Co., Ltd.	China	CID000769
Tungsten	Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou Tungsten Products Branch	China	CID002513
Tungsten	Hydrometallurg, JSC	Russian Federation	CID002649
Tungsten	Japan New Metals Co., Ltd.	Japan	CID000825
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	China	CID002551
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	China	CID002321
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	China	CID002313
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	China	CID002318
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	China	CID002317
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	China	CID002316
Tungsten	JSC "Kirovgrad Hard Alloys Plant"	Russian Federation	CID003408
Tungsten	Kennametal Fallon	United States Of America	CID000966
Tungsten	Kennametal Huntsville	United States Of America	CID000105
Tungsten	Lianyou Metals Co., Ltd.	Taiwan	CID003407
Tungsten	LLC Vostok	Russian Federation	CID003643
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	China	CID002319
Tungsten	Masan High-Tech Materials	Viet Nam	CID002543
Tungsten	Moliren Ltd.	Russian Federation	CID002845
Tungsten	Niagara Refining LLC	United States Of America	CID002589
Tungsten	NPP Tyazhmetprom LLC	Russian Federation	CID003416
Tungsten	OOO "Technolom" 1	Russian Federation	CID003614
Tungsten	OOO "Technolom" 2	Russian Federation	CID003612
Tungsten	Philippine Chuangxin Industrial Co., Inc.	Philippines	CID002827
Tungsten	TANIOBIS Smelting GmbH & Co. KG	Germany	CID002542
Tungsten	Tungsten Vietnam Joint Stock Company	Viet Nam	CID003993
Tungsten	Unecha Refractory metals plant	Russian Federation	CID002724
Tungsten	Wolfram Bergbau und Hutten AG	Austria	CID002044
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	China	CID002320
Tungsten	Xiamen Tungsten Co., Ltd.	China	CID002082
Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	China	CID002830
Tungsten	YUDU ANSHENG TUNGSTEN CO., LTD.	China	CID003662