

## Smelter List

| Metal    | Smelter Name   | Country                                       |
|----------|--|---|
| Tantalum | Asaka Riken Co., Ltd.  | JAPAN   |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd.                                | CHINA   |
| Tantalum | Guangdong Rising Rare Metals-EO Materials Ltd.                           | CHINA   |
| Tantalum | Duoluoshan   | CHINA   |
| Tantalum | Exotech Inc.   | UNITED STATES OF AMERICA                      |
| Tantalum | F&X Electro-Materials Ltd.   | CHINA   |
| Tantalum | Guangdong Zhiyuan New Material Co., Ltd.                                 | CHINA   |
| Tantalum | Jiujiang JinXin Nonferrous Metals Co., Ltd.                              | CHINA   |
| Tantalum | Jiujiang Tanbre Co., Ltd.  | CHINA   |
| Tantalum | King-Tan Tantalum Industry Ltd.  | CHINA   |
| Tantalum | LSM Brasil S.A.  | BRAZIL  |
| Tantalum | Metallurgical Products India Pvt., Ltd.                                  | INDIA   |
| Tantalum | Mineracao Taboca S.A.  | BRAZIL  |
| Tantalum | Mitsui Mining and Smelting Co., Ltd.                                     | JAPAN   |
| Tantalum | NPM Silmet AS  | ESTONIA                                       |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd.                               | CHINA   |
| Tantalum | QuantumClean   | UNITED STATES OF AMERICA                      |
| Tantalum | RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., | CHINA   |
| Tantalum | Solikamsk Magnesium Works OAO  | RUSSIAN FEDERATION                            |
| Tantalum | Taki Chemical Co., Ltd.  | JAPAN   |
| Tantalum | Telex Metals   | UNITED STATES OF AMERICA                      |
| Tantalum | Ulba Metallurgical Plant JSC   | KAZAKHSTAN                                    |
| Tantalum | Yichun Jin Yang Rare Metal Co., Ltd.                                     | CHINA   |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd.                        | CHINA   |
| Tantalum | D Block Metals, LLC  | UNITED STATES OF AMERICA                      |
| Tantalum | FIR Metals & Resource Ltd.   | CHINA   |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd.                            | CHINA   |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd.                            | CHINA   |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd.                             | CHINA   |
| Tantalum | KEMET Blue Metals  | MEXICO  |
| Tantalum | H.C. Starck Co., Ltd.  | THAILAND                                      |
| Tantalum | H.C. Starck Hermsdorf GmbH   | GERMANY                                       |
| Tantalum | H.C. Starck Inc.   | UNITED STATES OF AMERICA                      |
| Tantalum | H.C. Starck Ltd.   | JAPAN   |
| Tantalum | H.C. Starck Smelting GmbH & Co. KG                                       | GERMANY                                       |
| Tantalum | Global Advanced Metals Boyertown   | UNITED STATES OF AMERICA                      |
| Tantalum | Global Advanced Metals Aizu  | JAPAN   |
| Tantalum | KEMET Blue Powder  | UNITED STATES OF AMERICA                      |
| Tantalum | Resind Industria e Comercio Ltda.  | BRAZIL  |
| Tantalum | Jiangxi Tuohong New Raw Material   | CHINA   |
| Tantalum | Power Resources Ltd.   | MACEDONIA, THE FORMER<br>YUGOSLAV REPUBLIC OF |
| Tantalum | Hi-Temp Specialty Metals, Inc.   | UNITED STATES OF AMERICA                      |
| Tantalum | Zhuzhou Cemented Carbide Group Co., Ltd.                                 | CHINA   |
| Tantalum | H.C. Starck Tantalum and Niobium GmbH                                    | GERMANY                                       |
| Tantalum | Tranzact, Inc.   | UNITED STATES OF AMERICA                      |
| Tin      | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.                        | CHINA   |
| Tin      | Jiangxi Ketai Advanced Material Co., Ltd.                                | CHINA   |
| Tin      | CNMC (Guangxi) PGMA Co., Ltd.  | CHINA   |
| Tin      | Alpha  | UNITED STATES OF AMERICA                      |
| Tin      | CV Gita Pesona   | INDONESIA                                     |
| Tin      | PT Aries Kencana Sejahtera   | INDONESIA                                     |
| Tin      | PT Premium Tin Indonesia   | INDONESIA                                     |
| Tin      | CV United Smelting   | INDONESIA                                     |
| Tin      | Dowa   | JAPAN   |
| Tin      | EM Vinto   | BOLIVIA (PLURINATIONAL STATE<br>OF)           |
| Tin      | Estanho de Rondonia S.A.   | BRAZIL  |
| Tin      | Fenix Metals   | POLAND  |
| Tin      | Gejiu Non-Ferrous Metal Processing Co., Ltd.                             | CHINA   |
| Tin      | Gejiu Zili Mining And Metallurgy Co., Ltd.                               | CHINA   |
| Tin      | Huichang Jinshunda Tin Co., Ltd.   | CHINA   |

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| Metal | Smelter Name  | Country                          |
|-------|---|----------------------------------|
| Tin   | Gejiu Kai Meng Industry and Trade LLC   | CHINA                            |
| Tin   | China Tin Group Co., Ltd.   | CHINA                            |
| Tin   | Malaysia Smelting Corporation (MSC)   | MALAYSIA                         |
| Tin   | Metallic Resources, Inc.  | UNITED STATES OF AMERICA         |
| Tin   | Mineracao Taboca S.A.   | BRAZIL                           |
| Tin   | Minsur  | PERU                             |
| Tin   | Mitsubishi Materials Corporation  | JAPAN                            |
| Tin   | Jiangxi New Nanshan Technology Ltd.   | CHINA                            |
| Tin   | O.M. Manufacturing (Thailand) Co., Ltd.   | THAILAND                         |
| Tin   | Operaciones Metalurgical S.A.   | BOLIVIA (PLURINATIONAL STATE OF) |
| Tin   | PT Artha Cipta Langgeng   | INDONESIA                        |
| Tin   | PT Babel Inti Perkasa   | INDONESIA                        |
| Tin   | PT Bangka Tin Industry  | INDONESIA                        |
| Tin   | PT Belitung Industri Sejahtera  | INDONESIA                        |
| Tin   | PT Bukit Timah  | INDONESIA                        |
| Tin   | PT DS Jaya Abadi  | INDONESIA                        |
| Tin   | PT Eunindo Usaha Mandiri  | INDONESIA                        |
| Tin   | PT Karimun Mining   | INDONESIA                        |
| Tin   | PT Mitra Stania Prima   | INDONESIA                        |
| Tin   | PT Panca Mega Persada   | INDONESIA                        |
| Tin   | PT Prima Timah Utama  | INDONESIA                        |
| Tin   | PT Refined Bangka Tin   | INDONESIA                        |
| Tin   | PT Sariwiguna Binasentosa   | INDONESIA                        |
| Tin   | PT Stanindo Inti Perkasa  | INDONESIA                        |
| Tin   | PT Sumber Jaya Indah  | INDONESIA                        |
| Tin   | PT Timah (Persero) Tbk Kundur   | INDONESIA                        |
| Tin   | PT Timah (Persero) Tbk Mentok   | INDONESIA                        |
| Tin   | PT Tinindo Inter Nusa   | INDONESIA                        |
| Tin   | PT Tommy Utama  | INDONESIA                        |
| Tin   | Rui Da Hung   | TAIWAN, PROVINCE OF CHINA        |
| Tin   | Soft Metais Ltda.   | BRAZIL                           |
| Tin   | Thaisarco   | THAILAND                         |
| Tin   | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.  | CHINA                            |
| Tin   | White Solder Metalurgia e Mineracao Ltda.   | BRAZIL                           |
| Tin   | Yunnan Chengfeng Non-ferrous Metals Co., Ltd.   | CHINA                            |
| Tin   | Yunnan Tin Company Limited  | CHINA                            |
| Tin   | CV Venus Inti Perkasa   | INDONESIA                        |
| Tin   | Magnu's Minerais Metais e Ligas Ltda.   | BRAZIL                           |
| Tin   | Melt Metais e Ligas S.A.  | BRAZIL                           |
| Tin   | PT ATD Makmur Mandiri Jaya  | INDONESIA                        |
| Tin   | O.M. Manufacturing Philippines, Inc.  | PHILIPPINES                      |
| Tin   | PT Inti Stania Prima  | INDONESIA                        |
| Tin   | CV Ayi Jaya   | INDONESIA                        |
| Tin   | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM                         |
| Tin   | Nghe Tinh Non-Ferrous Metals Joint Stock Company                                      | VIET NAM                         |
| Tin   | Tuyen Quang Non-Ferrous Metals Joint Stock Company                                    | VIET NAM                         |
| Tin   | CV Dua Sekawan  | INDONESIA                        |
| Tin   | CV Tiga Sekawan   | INDONESIA                        |
| Tin   | An Vinh Joint Stock Mineral Processing Company  | VIET NAM                         |
| Tin   | Resind Industria e Comercio Ltda.   | BRAZIL                           |
| Tin   | Super Ligas   | BRAZIL                           |
| Tin   | PT O.M. Indonesia   | INDONESIA                        |
| Tin   | PT Bangka Prima Tin   | INDONESIA                        |
| Tin   | PT Sukses Inti Makmur   | INDONESIA                        |
| Tin   | PT Kijang Jaya Mandiri  | INDONESIA                        |
| Tin   | PT Menara Cipta Mulia   | INDONESIA                        |
| Tin   | HuiChang Hill Tin Industry Co., Ltd.  | CHINA                            |
| Tin   | Gejiu Fengming Metallurgy Chemical Plant  | CHINA                            |
| Tin   | Guanyang Guida Nonferrous Metal Smelting Plant  | CHINA                            |
| Tin   | Modeltech Sdn Bhd   | MALAYSIA                         |

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| Metal    | Smelter Name  | Country                  |
|----------|---|--------------------------|
| Tin      | Gejiu Jinye Mineral Company                                   | CHINA                    |
| Tin      | PT Lautan Harmonis Sejahtera                                  | INDONESIA                |
| Tin      | Guangdong Hanhe Non-Ferrous Metal Co., Ltd.                   | CHINA                    |
| Tin      | Cooperativa Metalurgica de Rondonia Ltda.                     | BRAZIL                   |
| Tin      | PT Justindo   | INDONESIA                |
| Tin      | PT Bangka Putra Karya   | INDONESIA                |
| Tin      | VQB Mineral and Trading Group JSC                             | VIET NAM                 |
| Tin      | PT Wahana Perkit Jaya   | INDONESIA                |
| Tin      | PT Cipta Persada Mulia  | INDONESIA                |
| Tin      | Metallo Belgium N.V.  | BELGIUM                  |
| Tin      | Metallo Spain S.L.U.  | SPAIN                    |
| Tin      | An Thai Minerals Co., Ltd.                                    | VIET NAM                 |
| Tungsten | A.L.M.T. TUNGSTEN Corp.                                       | JAPAN                    |
| Tungsten | Kennametal Huntsville   | UNITED STATES OF AMERICA |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd.                          | CHINA                    |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd.                          | CHINA                    |
| Tungsten | Fujian Jinxin Tungsten Co., Ltd.                              | CHINA                    |
| Tungsten | Global Tungsten & Powders Corp.                               | UNITED STATES OF AMERICA |
| Tungsten | Hunan Chenzhou Mining Co., Ltd.                               | CHINA                    |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd.                   | CHINA                    |
| Tungsten | Japan New Metals Co., Ltd.                                    | JAPAN                    |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd.                   | CHINA                    |
| Tungsten | Kennametal Fallon   | UNITED STATES OF AMERICA |
| Tungsten | Tejing (Vietnam) Tungsten Co., Ltd.                           | VIET NAM                 |
| Tungsten | Vietnam Youngsun Tungsten Industry Co., Ltd.                  | VIET NAM                 |
| Tungsten | Wolfram Bergbau und Hutten AG                                 | AUSTRIA                  |
| Tungsten | Xiamen Tungsten Co., Ltd.                                     | CHINA                    |
| Tungsten | Xinhai Rendan Shaoguan Tungsten Co., Ltd.                     | CHINA                    |
| Tungsten | Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.         | CHINA                    |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd.                       | CHINA                    |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd.                           | CHINA                    |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd.                  | CHINA                    |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA                    |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd.                               | CHINA                    |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd.                              | CHINA                    |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd.                            | CHINA                    |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd.                            | CHINA                    |
| Tungsten | Asia Tungsten Products Vietnam Ltd.                           | VIET NAM                 |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd.                  | CHINA                    |
| Tungsten | Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.          | CHINA                    |
| Tungsten | Ganzhou Yatai Tungsten Co., Ltd.                              | CHINA                    |
| Tungsten | H.C. Starck Tungsten GmbH                                     | GERMANY                  |
| Tungsten | H.C. Starck Smelting GmbH & Co. KG                            | GERMANY                  |
| Tungsten | Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC     | VIET NAM                 |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd.               | CHINA                    |
| Tungsten | Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji               | CHINA                    |
| Tungsten | Niagara Refining LLC  | UNITED STATES OF AMERICA |
| Tungsten | Jiangxi Dayu Longxintai Tungsten Co., Ltd.                    | CHINA                    |
| Tungsten | Hydrometallurg, JSC   | RUSSIAN FEDERATION       |
| Tungsten | Unecha Refractory metals plant                                | RUSSIAN FEDERATION       |
| Tungsten | South-East Nonferrous Metal Company Limited of Hengyang City  | CHINA                    |
| Tungsten | Philippine Chuangxin Industrial Co., Inc.                     | PHILIPPINES              |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.   | CHINA                    |
| Tungsten | ACL Metais Eireli   | BRAZIL                   |
| Tungsten | Woltech Korea Co., Ltd.                                       | KOREA, REPUBLIC OF       |
| Tungsten | Moliren Ltd.  | RUSSIAN FEDERATION       |
| Tungsten | Hunan Litian Tungsten Industry Co., Ltd.                      | CHINA                    |
| Tungsten | Dayu Weiliang Tungsten Co., Ltd.                              | CHINA                    |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd.                          | CHINA                    |
| Gold     | Advanced Chemical Company                                     | UNITED STATES OF AMERICA |
| Gold     | Aida Chemical Industries Co., Ltd.                            | JAPAN                    |
| Gold     | Allgemeine Gold-und Silberscheideanstalt A.G.                 | GERMANY                  |

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| Metal | Smelter Name  | Country                  |
|-------|---|--------------------------|
| Gold  | Almalyk Mining and Metallurgical Complex (AMMC)                 | UZBEKISTAN               |
| Gold  | AngloGold Ashanti Corrego do Sitio Mineracao                    | BRAZIL                   |
| Gold  | Argor-Heraeus S.A.  | SWITZERLAND              |
| Gold  | Asahi Pretec Corp.  | JAPAN                    |
| Gold  | Asaka Riken Co., Ltd.   | JAPAN                    |
| Gold  | Atasay Kuyumculuk Sanayi Ve Ticaret A.S.                        | TURKEY                   |
| Gold  | Aurubis AG  | GERMANY                  |
| Gold  | Bangko Sentral ng Pilipinas (Central Bank of the Philippines)   | PHILIPPINES              |
| Gold  | Boliden AB  | SWEDEN                   |
| Gold  | C. Hafner GmbH + Co. KG   | GERMANY                  |
| Gold  | Caridad   | MEXICO                   |
| Gold  | CCR Refinery - Glencore Canada Corporation                      | CANADA                   |
| Gold  | Cendres + Metaux S.A.   | SWITZERLAND              |
| Gold  | Yunnan Copper Industry Co., Ltd.                                | CHINA                    |
| Gold  | Chimet S.p.A.   | ITALY                    |
| Gold  | Chugai Mining   | JAPAN                    |
| Gold  | Daejin Indus Co., Ltd.  | KOREA, REPUBLIC OF       |
| Gold  | Daye Non-Ferrous Metals Mining Ltd.                             | CHINA                    |
| Gold  | DSC (Do Sung Corporation)                                       | KOREA, REPUBLIC OF       |
| Gold  | Dowa  | JAPAN                    |
| Gold  | Eco-System Recycling Co., Ltd.                                  | JAPAN                    |
| Gold  | OJSC Novosibirsk Refinery                                       | RUSSIAN FEDERATION       |
| Gold  | Guoda Safina High-Tech Environmental Refinery Co., Ltd.         | CHINA                    |
| Gold  | Hangzhou Fuchunjiang Smelting Co., Ltd.                         | CHINA                    |
| Gold  | HeeSung Metal Ltd.  | KOREA, REPUBLIC OF       |
| Gold  | Heimerle + Meule GmbH   | GERMANY                  |
| Gold  | Heraeus Metals Hong Kong Ltd.                                   | CHINA                    |
| Gold  | Heraeus Precious Metals GmbH & Co. KG                           | GERMANY                  |
| Gold  | Hunan Chenzhou Mining Co., Ltd.                                 | CHINA                    |
| Gold  | HwaSeong CJ CO., LTD.   | KOREA, REPUBLIC OF       |
| Gold  | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA                    |
| Gold  | Ishifuku Metal Industry Co., Ltd.                               | JAPAN                    |
| Gold  | Istanbul Gold Refinery  | TURKEY                   |
| Gold  | Japan Mint  | JAPAN                    |
| Gold  | Jiangxi Copper Co., Ltd.  | CHINA                    |
| Gold  | Asahi Refining USA Inc.   | UNITED STATES OF AMERICA |
| Gold  | Asahi Refining Canada Ltd.                                      | CANADA                   |
| Gold  | JSC Ekaterinburg Non-Ferrous Metal Processing Plant             | RUSSIAN FEDERATION       |
| Gold  | JSC Uralelectromed  | RUSSIAN FEDERATION       |
| Gold  | JX Nippon Mining & Metals Co., Ltd.                             | JAPAN                    |
| Gold  | Kazakhmys Smelting LLC  | KAZAKHSTAN               |
| Gold  | Kazzinc   | KAZAKHSTAN               |
| Gold  | Kennecott Utah Copper LLC                                       | UNITED STATES OF AMERICA |
| Gold  | Kojima Chemicals Co., Ltd.                                      | JAPAN                    |
| Gold  | Kyrgyzaltyn JSC   | KYRGYZSTAN               |
| Gold  | L'azurde Company For Jewelry                                    | SAUDI ARABIA             |
| Gold  | Lingbao Gold Co., Ltd.  | CHINA                    |
| Gold  | Lingbao Jinyuan Tonghui Refinery Co., Ltd.                      | CHINA                    |
| Gold  | LS-NIKKO Copper Inc.  | KOREA, REPUBLIC OF       |
| Gold  | Luoyang Zijin Yinhuai Gold Refinery Co., Ltd.                   | CHINA                    |
| Gold  | Materion  | UNITED STATES OF AMERICA |
| Gold  | Matsuda Sangyo Co., Ltd.  | JAPAN                    |
| Gold  | Metalor Technologies (Suzhou) Ltd.                              | CHINA                    |
| Gold  | Metalor Technologies (Hong Kong) Ltd.                           | CHINA                    |
| Gold  | Metalor Technologies (Singapore) Pte., Ltd.                     | SINGAPORE                |
| Gold  | Metalor Technologies S.A.                                       | SWITZERLAND              |
| Gold  | Metalor USA Refining Corporation                                | UNITED STATES OF AMERICA |
| Gold  | Metalurgica Met-Mex Penoles S.A. De C.V.                        | MEXICO                   |
| Gold  | Mitsubishi Materials Corporation                                | JAPAN                    |
| Gold  | Mitsui Mining and Smelting Co., Ltd.                            | JAPAN                    |
| Gold  | Moscow Special Alloys Processing Plant                          | RUSSIAN FEDERATION       |
| Gold  | Nadir Metal Rafineri San. Ve Tic. A.S.                          | TURKEY                   |

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| Metal | Smelter Name  | Country                   |
|-------|---|---------------------------|
| Gold  | Navoi Mining and Metallurgical Combinat                       | UZBEKISTAN                |
| Gold  | Nihon Material Co., Ltd.                                      | JAPAN                     |
| Gold  | Elemetal Refining, LLC  | UNITED STATES OF AMERICA  |
| Gold  | Ohura Precious Metal Industry Co., Ltd.                       | JAPAN                     |
| Gold  | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC | RUSSIAN FEDERATION        |
| Gold  | PAMP S.A.   | SWITZERLAND               |
| Gold  | Penglai Penggang Gold Industry Co., Ltd.                      | CHINA                     |
| Gold  | Prioksky Plant of Non-Ferrous Metals                          | RUSSIAN FEDERATION        |
| Gold  | PT Aneka Tambang (Persero) Tbk                                | INDONESIA                 |
| Gold  | PX Precinox S.A.  | SWITZERLAND               |
| Gold  | Rand Refinery (Pty) Ltd.                                      | SOUTH AFRICA              |
| Gold  | Royal Canadian Mint   | CANADA                    |
| Gold  | Sabin Metal Corp.   | UNITED STATES OF AMERICA  |
| Gold  | Samduck Precious Metals                                       | KOREA, REPUBLIC OF        |
| Gold  | Samwon Metals Corp.   | KOREA, REPUBLIC OF        |
| Gold  | Schone Edelmetaal B.V.  | NETHERLANDS               |
| Gold  | SEMPA Joyeria Plateria S.A.                                   | SPAIN                     |
| Gold  | Shandong Tiancheng Biological Gold Industrial Co., Ltd.       | CHINA                     |
| Gold  | Shandong Zhaojin Gold & Silver Refinery Co., Ltd.             | CHINA                     |
| Gold  | Sichuan Tianze Precious Metals Co., Ltd.                      | CHINA                     |
| Gold  | So Accurate Group, Inc.                                       | UNITED STATES OF AMERICA  |
| Gold  | SOE Shyolkovsky Factory of Secondary Precious Metals          | RUSSIAN FEDERATION        |
| Gold  | Solar Applied Materials Technology Corp.                      | TAIWAN, PROVINCE OF CHINA |
| Gold  | Sumitomo Metal Mining Co., Ltd.                               | JAPAN                     |
| Gold  | Tanaka Kikinzoku Kogyo K.K.                                   | JAPAN                     |
| Gold  | Great Wall Precious Metals Co., Ltd. of CBPM                  | CHINA                     |
| Gold  | The Refinery of Shandong Gold Mining Co., Ltd.                | CHINA                     |
| Gold  | Tokuriki Honten Co., Ltd.                                     | JAPAN                     |
| Gold  | Tongling Nonferrous Metals Group Co., Ltd.                    | CHINA                     |
| Gold  | Torecom   | KOREA, REPUBLIC OF        |
| Gold  | Umicore Brasil Ltda.  | BRAZIL                    |
| Gold  | Umicore S.A. Business Unit Precious Metals Refining           | BELGIUM                   |
| Gold  | United Precious Metal Refining, Inc.                          | UNITED STATES OF AMERICA  |
| Gold  | Valcambi S.A.   | SWITZERLAND               |
| Gold  | Western Australian Mint (T/a The Perth Mint)                  | AUSTRALIA                 |
| Gold  | Yamakin Co., Ltd.   | JAPAN                     |
| Gold  | Yokohama Metal Co., Ltd.                                      | JAPAN                     |
| Gold  | Zhongyuan Gold Smelter of Zhongjin Gold Corporation           | CHINA                     |
| Gold  | Gold Refinery of Zijin Mining Group Co., Ltd.                 | CHINA                     |
| Gold  | Morris and Watson   | NEW ZEALAND               |
| Gold  | SAFINA A.S.   | CZECH REPUBLIC            |
| Gold  | Guangdong Jinding Gold Limited                                | CHINA                     |
| Gold  | Umicore Precious Metals Thailand                              | THAILAND                  |
| Gold  | Geib Refining Corporation                                     | UNITED STATES OF AMERICA  |
| Gold  | MMTC-PAMP India Pvt., Ltd.                                    | INDIA                     |
| Gold  | Republic Metals Corporation                                   | UNITED STATES OF AMERICA  |
| Gold  | KGHM Polska Miedz Spolka Akcyjna                              | POLAND                    |
| Gold  | Singway Technology Co., Ltd.                                  | TAIWAN, PROVINCE OF CHINA |
| Gold  | Al Etihad Gold LLC  | UNITED ARAB EMIRATES      |
| Gold  | Emirates Gold DMCC  | UNITED ARAB EMIRATES      |
| Gold  | T.C.A S.p.A   | ITALY                     |
| Gold  | Remondis Argentia B.V.  | NETHERLANDS               |
| Gold  | Korea Zinc Co., Ltd.  | KOREA, REPUBLIC OF        |
| Gold  | Marsam Metals   | BRAZIL                    |
| Gold  | TOO Tau-Ken-Altyn   | KAZAKHSTAN                |
| Gold  | Abington Reldan Metals, LLC                                   | UNITED STATES OF AMERICA  |
| Gold  | SAAMP   | FRANCE                    |
| Gold  | L'Orfebvre S.A.   | ANDORRA                   |
| Gold  | Italpreziosi  | ITALY                     |
| Gold  | SAXONIA Edelmetalle GmbH                                      | GERMANY                   |
| Gold  | WIELAND Edelmetalle GmbH                                      | GERMANY                   |
| Gold  | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH   | AUSTRIA                   |

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| Metal | Smelter Name   | Country                  |
|-------|--|--------------------------|
| Gold  | AU Traders and Refiners  | SOUTH AFRICA             |
| Gold  | GCC Gujrat Gold Centre Pvt. Ltd.                                     | INDIA                    |
| Gold  | Sai Refinery   | INDIA                    |
| Gold  | Modeltech Sdn Bhd  | MALAYSIA                 |
| Gold  | Bangalore Refinery   | INDIA                    |
| Gold  | Kyshtym Copper-Electrolytic Plant ZAO                                | RUSSIAN FEDERATION       |
| Gold  | Morris and Watson Gold Coast   | AUSTRALIA                |
| Gold  | Degussa Sonne / Mond Goldhandel GmbH                                 | GERMANY                  |
| Gold  | Pease & Curren   | UNITED STATES OF AMERICA |
| Gold  | SungEel HiMetal Co., Ltd.  | KOREA, REPUBLIC OF       |
| Gold  | Planta Recuperadora de Metales SpA                                   | CHILE                    |
| Gold  | Safimet S.p.A  | ITALY                    |
| Gold  | State Research Institute Center for Physical Sciences and Technology | LITHUANIA                |
| Gold  | DODUCO Contacts and Refining GmbH                                    | GERMANY                  |
| Gold  | Refinery of Seemine Gold Co., Ltd.                                   | CHINA                    |