



Microsoft Devices Smelter and Refiner List

Tin, Tantalum, Tungsten, Gold, and Cobalt smelters and refiners identified in Microsoft Devices' supply chain as of December 31, 2019.

This smelter and refiner list includes Tin, Tantalum, Tungsten, Gold, and Cobalt smelters and refiners identified in Microsoft Devices' supply chain as of December 31, 2019. Microsoft conducts no direct transactions and has no contractual relationship with these smelter and refiner facilities nor their sources of ore.

For more details and the most current status of each smelter or refiner, visit the Responsible Minerals Assurance Process (RMAP) website at <http://www.responsiblemineralsinitiative.org>.

Additional details about Microsoft Devices' Responsible Sourcing can be found in the [Microsoft Responsible Sourcing of Raw Materials Policy](#) and the [Microsoft 2020 Sustainability Report](#).

Smelter ID	Metal	Smelter or Refiner Name	Country
CID003226	Cobalt	Freeport Cobalt Oy	Finland
CID003227	Cobalt	Gangzhou Yi Hao Umicore Industry Co.	China
CID003212	Cobalt	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	China
CID003209	Cobalt	Gem (Jiangsu) Cobalt Industry Co., Ltd.	China
CID003291	Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	China
CID003219	Cobalt	Hunan Brunp Recycling Technology Co., Ltd.	China
CID003467	Cobalt	Hunan Shiji Yintian New Material Co., Ltd.	China
CID003404	Cobalt	Hunan Yacheng New Materials Co., Ltd.	China
CID003411	Cobalt	Hunan Zoomwe New Energy Science & Technology Co., Ltd.	China
CID003447	Cobalt	Jiangxi Rui da Xinnengyuan Technology Co., Ltd.	China
CID003378	Cobalt	Jingmen GEM Co., Ltd.	China
CID003233	Cobalt	JSC Kolskaya Mining and Metallurgical Company (Kola MMC)	Russia
CID003210	Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	China
CID003215	Cobalt	Maolian	China
CID003255	Cobalt	Quzhou Huayou Cobalt New Material Co., Ltd.	China
CID003338	Cobalt	SungEel HiMetal Co., Ltd.	Korea
CID003376	Cobalt	XTC New Energy Materials (Xiamen) LTD.	China
CID003225	Cobalt	Zhejiang Huayou Cobalt Co.,Ltd.	China
CID003211	Cobalt	Zhuhai Kelixin Metal Materials Co., Ltd.	China
CID000015	Gold	Advanced Chemical Company	United States
CID000019	Gold	Aida Chemical Industries Co., Ltd.	Japan
CID000035	Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	Germany
CID000041	Gold	Almalyk Mining and Metallurgical Complex (AMMC)	Uzbekistan
CID000058	Gold	AngloGold Ashanti Corrego do Sitio Mineracao	Brazil
CID000077	Gold	Argor-Heraeus S.A.	Switzerland
CID000082	Gold	Asahi Pretec Corp.	Japan
CID000090	Gold	Asaka Riken Co., Ltd.	Japan
CID000113	Gold	Aurubis AG	Germany
CID000128	Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	Philippines
CID000157	Gold	Boliden AB	Sweden
CID000176	Gold	C. Hafner GmbH + Co. KG	Germany
CID000185	Gold	CCR Refinery - Glencore Canada Corporation	Canada
CID000189	Gold	Cendres + Metaux S.A.	Switzerland
CID000233	Gold	Chimet S.p.A.	Italy
CID000264	Gold	Chugai Mining	Japan
CID000362	Gold	DODUCO Contacts and Refining GmbH	Germany

CID000401	Gold	Dowa	Japan
CID000425	Gold	Eco-System Recycling Co., Ltd.	Japan
CID001078	Gold	LS-NIKKO Copper Inc.	Korea
CID000359	Gold	DSC (Do Sung Corporation)	Korea
CID000694	Gold	Heimerle + Meule GmbH	Germany
CID000707	Gold	Heraeus Metals Hong Kong Ltd.	China
CID000711	Gold	Heraeus Precious Metals GmbH & Co. KG	Germany
CID000801	Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	China
CID000807	Gold	Ishifuku Metal Industry Co., Ltd.	Japan
CID000814	Gold	Istanbul Gold Refinery	Turkey
CID000823	Gold	Japan Mint	Japan
CID000855	Gold	Jiangxi Copper Co., Ltd.	China
CID000920	Gold	Asahi Refining USA Inc.	United States
CID000924	Gold	Asahi Refining Canada Ltd.	Canada
CID000689	Gold	HeeSung Metal Ltd.	Korea
CID000937	Gold	JX Nippon Mining & Metals Co., Ltd.	Japan
CID000957	Gold	Kazzinc	Kazakhstan
CID000969	Gold	Kennecott Utah Copper LLC	United States
CID000981	Gold	Kojima Chemicals Co., Ltd.	Japan
CID001029	Gold	Kyrgyzaltyn JSC	Kyrgyzstan
CID001555	Gold	Samduck Precious Metals	Korea
CID001113	Gold	Materion	United States
CID001119	Gold	Matsuda Sangyo Co., Ltd.	Japan
CID001147	Gold	Metalor Technologies (Suzhou) Ltd.	China
CID001149	Gold	Metalor Technologies (Hong Kong) Ltd.	China
CID001152	Gold	Metalor Technologies (Singapore) Pte., Ltd.	Singapore
CID001153	Gold	Metalor Technologies S.A.	Switzerland
CID001157	Gold	Metalor USA Refining Corporation	United States
CID001161	Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	Mexico
CID001188	Gold	Mitsubishi Materials Corporation	Japan
CID001193	Gold	Mitsui Mining and Smelting Co., Ltd.	Japan
CID001955	Gold	Torecom	Korea
CID001220	Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	Turkey
CID001259	Gold	Nihon Material Co., Ltd.	Japan
CID001325	Gold	Ohura Precious Metal Industry Co., Ltd.	Japan
CID002605	Gold	Korea Zinc Co., Ltd.	Korea
CID001352	Gold	PAMP S.A.	Switzerland
CID002918	Gold	SungEel HiMetal Co., Ltd.	Korea
CID001397	Gold	PT Aneka Tambang (Persero) Tbk	Indonesia
CID001498	Gold	PX Precinox S.A.	Switzerland
CID001512	Gold	Rand Refinery (Pty) Ltd.	South Africa
CID001534	Gold	Royal Canadian Mint	Canada
CID003195	Gold	DS PRETECH Co., Ltd.	Korea
CID001585	Gold	SEMPA Joyeria Plateria S.A.	Spain
CID001622	Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	China
CID001736	Gold	Sichuan Tianze Precious Metals Co., Ltd.	China

CID000493	Gold	OJSC Novosibirsk Refinery	Russia
CID000929	Gold	JSC Uralelectromed	Russia
CID001798	Gold	Sumitomo Metal Mining Co., Ltd.	Japan
CID001875	Gold	Tanaka Kikinzoku Kogyo K.K.	Japan
CID001916	Gold	The Refinery of Shandong Gold Mining Co., Ltd.	China
CID001938	Gold	Tokuriki Honten Co., Ltd.	Japan
CID001204	Gold	Moscow Special Alloys Processing Plant	Russia
CID001977	Gold	Umicore Brasil Ltda.	Brazil
CID001980	Gold	Umicore S.A. Business Unit Precious Metals Refining	Belgium
CID001993	Gold	United Precious Metal Refining, Inc.	United States
CID002003	Gold	Valcambi S.A.	Switzerland
CID002030	Gold	Western Australian Mint (T/a The Perth Mint)	Australia
CID002100	Gold	Yamakin Co., Ltd.	Japan
CID002129	Gold	Yokohama Metal Co., Ltd.	Japan
CID002224	Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	China
CID002243	Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	China
CID002314	Gold	Umicore Precious Metals Thailand	Thailand
CID002459	Gold	Geib Refining Corporation	United States
CID002509	Gold	MMTC-PAMP India Pvt., Ltd.	India
CID002511	Gold	KGHM Polska Miedz Spolka Akcyjna	Poland
CID001326	Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	Russia
CID002561	Gold	Emirates Gold DMCC	United Arab Emirates
CID002580	Gold	T.C.A S.p.A	Italy
CID002582	Gold	REMONDIS PMR B.V.	Netherlands
CID001386	Gold	Prioksky Plant of Non-Ferrous Metals	Russia
CID002606	Gold	Marsam Metals	Brazil
CID001756	Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	Russia
CID002761	Gold	SAAMP	France
CID002762	Gold	L'Orfebre S.A.	Andorra
CID002763	Gold	8853 S.p.A.	Italy
CID002765	Gold	Italpreziosi	Italy
CID002777	Gold	SAXONIA Edelmetalle GmbH	Germany
CID002778	Gold	WIELAND Edelmetalle GmbH	Germany
CID002779	Gold	Ogussa Österreichische Gold- und Silber-Scheideanstalt GmbH	Austria
CID002850	Gold	AU Traders and Refiners	South Africa
CID002863	Gold	Bangalore Refinery	India
CID002919	Gold	Planta Recuperadora de Metales SpA	Chile
CID002973	Gold	Safimet S.p.A	Italy
CID001761	Gold	Solar Applied Materials Technology Corp.	Taiwan
CID002516	Gold	Singway Technology Co., Ltd.	Taiwan
CID002560	Gold	Al Etihad Gold Refinery DMCC	United Arab Emirates
CID003424	Gold	Eco-System Recycling Co., Ltd. North Plant	Japan
CID003425	Gold	Eco-System Recycling Co., Ltd. West Plant	Japan
CID000092	Tantalum	Asaka Riken Co., Ltd.	Japan
CID000211	Tantalum	Changsha South Tantalum Niobium Co., Ltd.	China
CID000456	Tantalum	Exotech Inc.	United States

CID000460	Tantalum	F&X Electro-Materials Ltd.	China
CID000616	Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	China
CID000914	Tantalum	Jiujiang JinXin Nonferrous Metals Co., Ltd.	China
CID000917	Tantalum	Jiujiang Tanbre Co., Ltd.	China
CID001076	Tantalum	LSM Brasil S.A.	Brazil
CID001163	Tantalum	Metallurgical Products India Pvt., Ltd.	India
CID001175	Tantalum	Mineracao Taboca S.A.	Brazil
CID001192	Tantalum	Mitsui Mining and Smelting Co., Ltd.	Japan
CID001277	Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	China
CID001508	Tantalum	QuantumClean	United States
CID001522	Tantalum	RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd.	China
CID002847	Tantalum	Power Resources Ltd.	Macedonia
CID001869	Tantalum	Taki Chemical Co., Ltd.	Japan
CID001891	Tantalum	Telex Metals	United States
CID001969	Tantalum	Ulba Metallurgical Plant JSC	Kazakhstan
CID002492	Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	China
CID002504	Tantalum	D Block Metals, LLC	United States
CID002505	Tantalum	FIR Metals & Resource Ltd.	China
CID002506	Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	China
CID002508	Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	China
CID002512	Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	China
CID002539	Tantalum	KEMET Blue Metals	Mexico
CID002544	Tantalum	H.C. Starck Co., Ltd.	Thailand
CID002545	Tantalum	H.C. Starck Tantalum and Niobium GmbH	Germany
CID002547	Tantalum	H.C. Starck Hermsdorf GmbH	Germany
CID002548	Tantalum	H.C. Starck Inc.	United States
CID002549	Tantalum	H.C. Starck Ltd.	Japan
CID002550	Tantalum	H.C. Starck Smelting GmbH & Co. KG	Germany
CID002557	Tantalum	Global Advanced Metals Boyertown	United States
CID002558	Tantalum	Global Advanced Metals Aizu	Japan
CID002707	Tantalum	Resind Industria e Comercio Ltda.	Brazil
CID001769	Tantalum	Solikamsk Magnesium Works OAO	Russia
CID002842	Tantalum	Jiangxi Tuohong New Raw Material	China
CID001200	Tantalum	NPM Silmet AS	Estonia
CID000228	Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	China
CID000292	Tin	Alpha	United States
CID000438	Tin	EM Vinto	Bolivia
CID000402	Tin	Dowa	Japan
CID001337	Tin	Operaciones Metalurgicas S.A.	Bolivia
CID000468	Tin	Fenix Metals	Poland
CID000538	Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	China
CID000555	Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	China
CID000760	Tin	Huichang Jinshunda Tin Co., Ltd.	China
CID000942	Tin	Gejiu Kai Meng Industry and Trade LLC	China
CID001070	Tin	China Tin Group Co., Ltd.	China
CID001105	Tin	Malaysia Smelting Corporation (MSC)	Malaysia

CID001142	Tin	Metallic Resources, Inc.	United States
CID001173	Tin	Mineracao Taboca S.A.	Brazil
CID001182	Tin	Minsur	Peru
CID001191	Tin	Mitsubishi Materials Corporation	Japan
CID001231	Tin	Jiangxi New Nanshan Technology Ltd.	China
CID001314	Tin	O.M. Manufacturing (Thailand) Co., Ltd.	Thailand
CID001399	Tin	PT Artha Cipta Langgeng	Indonesia
CID001453	Tin	PT Mitra Stania Prima	Indonesia
CID001460	Tin	PT Refined Bangka Tin	Indonesia
CID001477	Tin	PT Timah Tbk Kundur	Indonesia
CID001482	Tin	PT Timah Tbk Mentok	Indonesia
CID001758	Tin	Soft Metais Ltda.	Brazil
CID001898	Tin	Thaisarco	Thailand
CID001908	Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	China
CID002036	Tin	White Solder Metalurgia e Mineracao Ltda.	Brazil
CID002158	Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	China
CID002180	Tin	Yunnan Tin Company Limited	China
CID002468	Tin	Magnu's Minerais Metais e Ligas Ltda.	Brazil
CID002500	Tin	Melt Metais e Ligas S.A.	Brazil
CID002517	Tin	O.M. Manufacturing Philippines, Inc.	Philippines
CID002706	Tin	Resind Industria e Comercio Ltda.	Brazil
CID002773	Tin	Metallo Belgium N.V.	Belgium
CID002774	Tin	Metallo Spain S.L.U.	Spain
CID002834	Tin	Thai Nguyen Mining and Metallurgy Co., Ltd.	Viet Nam
CID002844	Tin	HuiChang Hill Tin Industry Co., Ltd.	China
CID002849	Tin	Guanyang Guida Nonferrous Metal Smelting Plant	China
CID001539	Tin	Rui Da Hung	Taiwan
CID003116	Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	China
CID003190	Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	China
CID003325	Tin	Tin Technology & Refining	United States
CID002503	Tin	PT ATD Makmur Mandiri Jaya	Indonesia
CID002835	Tin	PT Menara Cipta Mulia	Indonesia
CID003379	Tin	Ma'anshan Weitai Tin Co., Ltd.	China
CID003397	Tin	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	China
CID002858	Tin	Modeltech Sdn Bhd	Malaysia
CID000004	Tungsten	A.L.M.T. Corp.	Japan
CID000105	Tungsten	Kennametal Huntsville	United States
CID000218	Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	China
CID000258	Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	China
CID000499	Tungsten	Fujian Jinxin Tungsten Co., Ltd.	China
CID000568	Tungsten	Global Tungsten & Powders Corp.	United States
CID000766	Tungsten	Hunan Chenzhou Mining Co., Ltd.	China
CID000769	Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	China
CID000825	Tungsten	Japan New Metals Co., Ltd.	Japan
CID000875	Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	China
CID000966	Tungsten	Kennametal Fallon	United States

CID002843	Tungsten	Woltech Korea Co., Ltd.	Korea
CID003388	Tungsten	KGETS Co., Ltd.	Korea
CID001889	Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	Viet Nam
CID002044	Tungsten	Wolfram Bergbau und Hutten AG	Austria
CID002082	Tungsten	Xiamen Tungsten Co., Ltd.	China
CID002095	Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	China
CID002315	Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	China
CID002316	Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	China
CID002317	Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	China
CID002318	Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	China
CID002319	Tungsten	Malipo Haiyu Tungsten Co., Ltd.	China
CID002320	Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	China
CID002321	Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	China
CID002494	Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	China
CID002502	Tungsten	Asia Tungsten Products Vietnam Ltd.	Viet Nam
CID002513	Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	China
CID002541	Tungsten	H.C. Starck Tungsten GmbH	Germany
CID002542	Tungsten	H.C. Starck Smelting GmbH & Co. KG	Germany
CID002543	Tungsten	Masan Tungsten Chemical LLC (MTC)	Viet Nam
CID002551	Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	China
CID002579	Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	China
CID002589	Tungsten	Niagara Refining LLC	United States
CID002645	Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	China
CID002827	Tungsten	Philippine Chuangxin Industrial Co., Inc.	Philippines
CID002830	Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	China
CID002833	Tungsten	ACL Metais Eireli	Brazil
CID002649	Tungsten	Hydrometallurg, JSC	Russia
CID002724	Tungsten	Unecha Refractory metals plant	Russia
CID002845	Tungsten	Moliren Ltd.	Russia
CID003182	Tungsten	Hunan Litian Tungsten Industry Co., Ltd.	China
CID003407	Tungsten	Lianyou Metals Co., Ltd.	Taiwan
CID003401	Tungsten	Fujian Ganmin RareMetal Co., Ltd.	China