

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
C624556

Initial certification date:
25 January 1999
(by different Certification body)

Valid:
31 August 2023 – 13 January 2024

This is to certify that the management system of

ULVAC Group

ULVAC, Inc. Headquarters and Headquarters Plant: 2500 Hagisono, Chigasaki City, Kanagawa Pref., 253-8543 Japan

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:

ISO 14001:2015 = JIS Q 14001:2015

This certificate is valid for the following scope:

Development, manufacture, sales, customer support and machinery importing/exporting activities related to vacuum equipment, peripheral devices, motor, vacuum components and materials for the display, solar cell, semiconductor, electronics, electrics, metals, machinery, automotive, chemical, food and pharmaceutical industries, and for universities and research centers, research guidance and technical consulting on all aspects of vacuum technology

Place and date:
Kobe, 31 August 2023

For the issuing office:
DNV - Business Assurance
Sannomiya Bldg South 11th Floor, 7-1-15
Goko-dori, Chuo-ku, Kobe, 651-0087 Japan



Naoki Maeda
Management Representative

Appendix to Certificate

ULVAC Group

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
ULVAC, Inc. Headquarters and Headquarters Plant	2500 Hagisono, Chigasaki City, Kanagawa Pref., 253-8543 Japan	<p>Design and Development, Production, Installation and Servicing of</p> <ul style="list-style-type: none"> · Electric Device Manufacturing Equipment and its Parts · Vacuum Technology related Equipment for Industry and its Parts · Semiconductor Manufacturing Equipment and its Parts, and · Ultra High Vacuum Technology related Equipment for Research & Development and Manufacturing use and its Parts, and Design and Development, Production and Servicing of · Products (Robot System, Control Panel, Data Analysis Software) for Vacuum Technology related Equipment. <p>Design, development and manufacture of vacuum valves, vacuum measuring instruments, thin film surface measuring instruments, film forming control equipment, gas analyzers system, film forming power supplies, evaporation sources, vacuum transfer robots, and their parts and ancillary services including calibration.</p>
ULVAC, Inc. Fuji-Susono Plant	1220-14 Suyama, Susono City, Shizuoka Pref., 410-1231 Japan	Semiconductor Manufacturing Equipment and its Parts, and Unit Components (Substrate Transfer Robots)/Design, Development, Manufacturing, Installation, and Servicing
ULVAC, Inc. Institute of Advanced Technology	1220-1 Suyama, Susono City, Shizuoka Pref., 410-1231 Japan	Development related to vacuum equipment and processes for the semiconductor and electronic components
ULVAC, Inc. Institute of Advanced Technology	10-2 Misawa, Tomisato City, Chiba Pref., 286-0225 Japan	Development related to vacuum equipment, processes and materials for the display and electronic components
ULVAC, Inc. Chiba Tomisato Plant	10-1 Misawa, Tomisato City, Chiba Pref., 286-0225 Japan	<ul style="list-style-type: none"> · Design and development of sputtering targets and vacuum deposition materials · Design and development of equipment parts · management · Management of outsourced manufacturing (bonding) · Sales support

Site Name	Site Address	Site Scope
ULVAC, Inc. Chiba Sammu Plant	516 Yokota, Sammu City, Chiba Pref., 289-1297 Japan	Design, development and manufacture of sputtering targets and vacuum deposition materials Design, development and manufacturing of equipment parts Design, development and manufacture of high melting point, heat resistant and corrosion resistant metals and target materials. Design, development and manufacture of surface hardened products and film-coated products
ULVAC, Inc. Kyushu Plant	3313-1 Kamino, Yokogawa-cho, Kirishima City, Kagoshima Pref., 899-6301 Japan	Design and Development, Production, Installation and Servicing of · Electric Device Manufacturing Equipment and its Parts, · Vacuum Technology related Equipment for Industry and its Parts · Semiconductor Manufacturing Equipment and its Parts, and · Ultra High Vacuum Technology related Equipment for Research & Development and Manufacturing use and its Parts, and Design and Development, Production and Servicing of · Products (Robot System, Control Panel, Data Analysis Software) for Vacuum Technology related Equipment.
ULVAC, Inc. Kyushu Plant	3313-1 Kamino, Yokogawa-cho, Kirishima City, Kagoshima Pref., 899-6301 Japan	Design and development, Production of sputtering targets and vacuum deposition materials
ULVAC, Inc. Kyushu Plant Kumamoto Processing Center	100-31 Yoshitomi, Shisui-machi, Kikuchi City, Kumamoto Pref., 861-1201 Japan	Manufacture of vacuum equipment and their parts
ULVAC, Inc. Tohoku Plant	6-1-16 North-Interchange Industrial Park, Hachinohe City, Aomori Pref., 039-2245 Japan	Design and Development, Production, Installation and Servicing of · Electric Device Manufacturing Equipment and its Parts, · Vacuum Technology related Equipment for Industry and its Parts · Semiconductor Manufacturing Equipment and its Parts, and · Ultra High Vacuum Technology related Equipment for Research & Development and Manufacturing use and its Parts, and Design and Development, Production and Servicing of · Products (Robot System, Control Panel, Data Analysis Software) for Vacuum Technology related Equipment.
ULVAC, Inc. Tohoku Plant	6-1-16 North-Interchange Industrial Park, Hachinohe City, Aomori Pref., 039-2245 Japan	Design and development, Production of sputtering targets and vacuum deposition materials
ULVAC TECHNO, Ltd. Head Office Higashinihon Customer Support Division, Chigasaki CS Center Engineering Division	2609-5 Hagisono, Chigasaki City, Kanagawa Pref., 253-8555 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak

Site Name	Site Address	Site Scope
ULVAC TECHNO, Ltd. General Administration, Human Resources & Accounting Dpt.	1220-14 Suyama, Susono City, Shizuoka Pref., 410-1231 Japan	Planning and implementation of employee education
ULVAC TECHNO, Ltd. Higashinihon Customer Support Division, Iwate CS Center	15-35 Ryutsu Center, Kitakami City, Iwate Pref., 240-0014 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Higashinihon Customer Support Division, Ibaraki CS Center	1232-12 Mukoyama, Naka City, Ibaraki Pref., 311-0102 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Higashinihon Customer Support Division, Saitama CS Center	2-14-11 Hirosedai, Sayama City, Saitama Pref., 350-1328 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Higashinihon Customer Support Division, Mobara CS Center	3210-7 Honno, Mobara City, Chiba Pref., 212-0055 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Hokuriku CS Center	1140 Urushijima-machi, Hakusan City, Ishikawa Pref., 924-0835 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Aichi CS Center	31 Enokida, Ohira-cho, Okazaki City, Aichi Pref., 444-0007 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Amagasaki CS Center	2-7-18 Kinrakuji-cho, Amagasaki City, Hyogo Pref., 660-0806 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Himeji CS Center	532-1 Noriyashiki, Domoto, Tatsuno-cho, Tatsuno City, Hyogo Pref., 679-4129 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Kumamoto CS Center	100-31 Yoshitomi, Shisui-machi, Kikuchi City, Kumamoto Pref., 861-1201 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak
ULVAC TECHNO, Ltd. Nishinihon Customer Support Division, Kumamoto CS Center Kagoshima Office	3313 Kamino, Yokogawa-cho, Kirishima City, Kagoshima Pref., 899-6301 Japan	Production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling and proofreading service of a vacuum gauge and leak

Site Name	Site Address	Site Scope
ULVAC TECHNO, Ltd. Engineering Division, Semiconductor Department	1220-14 Suyama, Susono City, Shizuoka Pref., 410-1231 Japan	Design and development, production, the installation of vacuum apparatus, an apparatus and those parts and incidental service, maintenance, transference, remodeling.
ULVAC TECHNO, Ltd. Surface Treatment Division	2658-19 Hagisono, Chigasaki City, Kanagawa Pref., 253-0071 Japan	Surface treatment
ULVAC TECHNO, Ltd. Surface Treatment Division, Manufacturing Department, Yokokawa Manufacturing Section	3313 Kamino, Yokogawa-cho, Kirishima City, Kagoshima Pref., 899-6301 Japan	Surface treatment
ULVAC TECHNO, Ltd. Surface Treatment Division, Manufacturing Department, Izumi Manufacturing Section	2141 Oonohara, Izumi City, Kagoshima Pref., 899-0216 Japan	Surface treatment
ULVAC TECHNO, Ltd. Surface Treatment Division, Production Department, Chiba Manufacturing Section	516 Yokota, Sammu City, Chiba Pref., 289-1226 Japan	Surface Treatment & Precision Cleaning
ULVAC EQUIPMENT SALES, Inc. Head Office	2-3-13 Konan, Minato-ku, Tokyo, 108-0075 Japan	Sales of <ul style="list-style-type: none"> • Vacuum equipment • Analysis and measurement equipment such as thermal analyzers • physical and chemical equipment and measuring instruments • Vacuum equipment, used equipment • Manufacturing equipment and inspection equipment for electronic components • Above accessories and consumables
ULVAC EQUIPMENT SALES, Inc. Osaka Branch	3-3-31 Miyahara, Yodogawa-ku, Osaka City, Osaka Pref., 532-0003 Japan	Sales of <ul style="list-style-type: none"> • Vacuum equipment • Analysis and measurement equipment such as thermal analyzers • physical and chemical equipment and measuring instruments • Vacuum equipment, used equipment • Manufacturing equipment and inspection equipment for electronic components • Above accessories and consumables
ULVAC COATING CORPORATION	2804 Terao, Chichibu City, Saitama Pref., 368-0056 Japan	Design, development and manufacturing of Photomask blanks, Thin film products for FPD and pattern products.
FINE SURFACE TECHNOLOGY CO., LTD.	2804 Terao, Chichibu City, Saitama Pref., 368-0056 Japan	Design, development and manufacturing of Photomask blanks, Thin film products for FPD and pattern products.
ULVAC KIKO, INC. Head Office / Plant	291-7, Oaza Chausubaru, Saito City, Miyazaki Pref., 881-0037 Japan	Design, development, manufacturing and incidental services for oil rotary vacuum pumps, dry vacuum pumps and small vacuum equipment
ULVAC KIKO, INC. Yokohama Branch	1-10-4 Kitashin Yokohama, Kohoku-ku, Yokohama City, Kanagawa Pref., 223-0059 Japan	Incidental services of oil rotary vacuum pumps, dry vacuum pumps and small vacuum equipment
ULVAC KIKO, INC. Kagoshima Plant	3313-1 Kamino, Yokogawa-cho, Kirishima City, Kagoshima Pref., 899-6301 Japan	Manufacturing vacuum pumps, vacuum valve, vacuum exhaust systems, auxiliary machines, and their parts, Installation and incidental services

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ULVAC KIKO, INC. Chigasaki Plant	2500 Hagisono, Chigasaki City, Kanagawa Pref., 253-8543 Japan	Design and development, Production and servicing of vacuum pumps, vacuum exhaust devices
ULVAC-PHI, Inc. Head Office / Plant	2500 Hagisono, Chigasaki City, Kanagawa Pref., 253-8543 Japan	Design, development, sales and incidental services of surface analysis equipments
ULVAC CRYOGENICS, INCORPORATED Head Office & Factory	1222-1 Yabata, Chigasaki City, Kanagawa Pref., 253-0085 Japan	Design, development, manufacture, sales, installation and ancillary services for cryopumps, cryogenic equipment and related components and materials.
ULVAC CRYOGENICS, INCORPORATED KYOTO OFFICE	Akebono Bldg 97, Nakajimahoribata-cho, Fushimi-ku, Kyoto City, Kyoto Pref., 612-8452 Japan	After service (repair and maintenance) for cryogenic equipment products after shipment (cryocoolers for superconducting magnets, liquid nitrogen generators).
TIGOLD CORPORATION Chiba Plant	516 Yokota, Sammu City, Chiba Pref., 289-1226 Japan	Business activities related to the manufacture of ion plating and sputtering surface treatment films
ULVAC (SHANGHAI) TRADING CO., LTD.	1st 3rd Floor, Building 1, No.1000 Qixin Road, Minhang District, Shanghai, China 201199	Provision of sales and aftersales services including installation technology support and repairing for ULVAC brand vacuum equipments; Provision of sales services for accessories of ULVAC brand vacuum equipments
ULVAC (SHANGHAI) TRADING CO., LTD. BEIJING BRANCH	1F, Building 5, No.2 Xingye Street, BDA Beijing China 100176	Provision of sales and aftersales services including installation technology support and repairing for ULVAC brand vacuum equipments; Provision of sales services for accessories of ULVAC brand vacuum equipments
ULVAC (SHANGHAI) TRADING CO., LTD. CHENGDU BRANCH	No.229, Teng Fei Road, Qinyang, Chengdu Sichuan Province China 610091	Provision of sales and aftersales services including installation technology support and repairing for ULVAC brand vacuum equipments; Provision of sales services for accessories of ULVAC brand vacuum equipments
ULVAC (SHANGHAI) TRADING CO., LTD. CHENGDU BRANCH	3rd floor, Building 12, T District, No.108 Jingye Road, Qingyang District, Chengdu Sichuan Province China 610073	Provision of sales services for accessories of ULVAC brand vacuum equipments
ULVAC (SHANGHAI) TRADING CO., LTD. DALIAN BRANCH	No.39-13-1 Shengming 2nd Road, Dalian Economic And Technology Development Zone, Dalian, Liaoning Province China 116600	Provision of sales and aftersales services including installation technology support and repairing for ULVAC brand vacuum equipments; Provision of sales services for accessories of ULVAC brand vacuum equipments
ULVAC (NINGBO) CO., LTD.	No.888 Tonghui Road, Jiangbei Disrtict, Ningbo, Zhejiang Province, China 315020	Production and Service of Vacuum Pumps and Pirani Vacuum Gauges and Cold-Cathode Ion Gauge and Design, Production and Service of Vacuum Equipments
ULVAC (SUZHOU) CO., LTD.	No.277 Suhong East Road Suzhou Industrial Park Suzhou Jiangsu Province China 215026	Manufacture of vacuum equipment and related parts used for electron and semiconductors
ULVAC Orient (Chengdu) Co., Ltd.	No.89 Baicao Road, Hi-Tech West Zone, Chengdu, Sichuan Province, China 611731	Design, development, manufacture and after-sale service of Vacuum Film Coating System.

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV Business Assurance B.V., Zwolseweg 1, 2994 LB, Barendrecht, Netherlands - TEL: +31(0)102922689. www.dnv.com/assurance

Site Name	Site Address	Site Scope
ULVAC Automation Technology (Shanghai) Corporation	No.198 Huancheng East Road, Nanqiao Town, Fengxian District, Shanghai, China 241401	Design and production of control panels for factory automation & vacuum equipment
ULVAC (Shenyang) Co., Ltd.	No.12A, Lantai Road, Hunnan District Shenyang Liaoning Province China 110171	Research, development and production of vacuum furnace, vacuum related equipment and parts; Sales and after-sales service of the above products; Leasing and sales of electromechanical equipment.
ULVAC (CHINA) HOLDING CO., LTD.	No.1000, Qixin Road, Minhang, Shanghai, China 201199	Provision consulting and support services for ULVAC companies within China
ULVAC CRYOGENICS (NINGBO) INCORPORATED	No.888 Tonghui Road, Jiangbei Disrtict, Ningbo, Zhejiang Province, China 315020	Assembling of cryopumps, cryotrap, 4K GM refrigerators and relevant parts
ULVAC Materials (Suzhou) CO., LTD.	No.55, Pingsheng Road, Industrial Park Suzhou Jiangsu Province China 215126	The manufacture of sputtering target materials for liquid crystal display, solar cells and semiconductor industries
ULVAC KOREA, Ltd. PYEONGTAEK PLANT	5, Hansan-gil, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, 17792, Republic of Korea	Production, Installation and servicing of vacuum equipment
ULVAC KOREA, Ltd. HYEONGOK PLANT	123, Hyeongoksandan-ro, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, 17812, Republic of Korea	Production, Installation and servicing of vacuum equipment
ULVAC KOREA, Ltd. Bundang Office	27F B Kins Tower, 8, Seongnam-daero 331beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-Do, Republic of Korea	Sales and design of Vacuum equipment
ULVAC KOREA, Ltd. Songtan Plant	68, Sandan-ro 52beon-gil, Pyeongtaek-si, Gyeonggi-Do, Republic of Korea	Vacuum Robot Manufacturing and Service, Vacuum Valve Service
Pure Surface Technology, Ltd. Hyeongok Plant	60, Hyeongoksandan-ro 93beon-gil, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, 17812, Republic of Korea	The provision of surface treatment of metal parts for maintenance of flat panel display and semiconductor equipment
Pure Surface Technology, Ltd. Poseung Plant	282, Poseung jangahn ro, Poseung eup, Pyeongtaek-si, Gyeonggi-Do, 17813, Republic of Korea	The provision of surface treatment of metal parts for maintenance of flat panel display and semiconductor equipment
Pure Surface Technology, Ltd. 3rd Plant	21, Hyeongoksandan-ro, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, Republic of Korea	The provision of surface treatment of metal parts for maintenance of flat panel display and semiconductor equipment
Pure Surface Technology, Ltd. Paju Plant	51, Dangdong 2-ro, Munsan-Eup, Paju-City, Gyeonggi-Do, 10816, Republic of Korea	Manufacture of sputtering target
Pure Surface Technology, Ltd. 4th Plant	60, Hyeongoksandan-ro 93beon-gil, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, 17812, Republic of Korea	Production of vacuum equipment (chamber) and related equipment
ULVAC CRYOGENICS KOREA INCORPORATED	107, Hyeongoksandan-ro, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-Do, 17812, Republic of Korea	Production and servicing of cryopumps, low-temperature equipments, and their relevant parts and apparatuses
ULVAC TAIWAN INC.	8F., No. 5, Keji Rd., Hsinchu Science Park Hsinchu 300092 Taiwan(R.O.C)	Provisions of Installation, Trading and Services for Vacuum Equipment.
ULVAC TAIWAN INC. Tainan Science Industrial Park Branch	No. 27, Nanke 2nd Rd., Southern Taiwan Science Park, Xinshi Dist., Tainan 744092 Taiwan(R.O.C.)	Provisions of Design, Installation, Manufacture, Trading and Services for Vacuum Equipment.

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Site Name	Site Address	Site Scope
Ultra Clean Precision Technologies Corp.	No. 27, Sec. 1, Huandong Rd., Southern Taiwan Science Park, Xinshi Dist. Tainan 744092 Taiwan(R.O.C.)	1. Maintenance service for vacuum components including supply of consumables for vacuum pump, gauge, valve, transfer robot, power supply, E/B gun, etc. 2. Surface treatment and refurbish service for Sputtering/PECVD parts in Semiconductor/TFT-LCD applicatio
Ultra Clean Precision Technologies Corp. Taoyuan Branch	No.20, Ln. 211, Puzhong Rd., Zhongli Dist. Taoyuan 320071 Taiwan(R.O.C.)	Maintenance service for vacuum components including supply of consumables for vacuum pump, gauge, valve, transfer robot, power supply, E/B gun, etc.
ULVAC Materials Taiwan, Inc.	No.37 Keya Road Daya District, Taichung 428015 Taiwan(R.O.C.)	Manufacture of sputtering target
ULCOAT TAIWAN, Inc.	No.60, Industry III Road, An-Nan District Tainan 709015 Taiwan(R.O.C.)	Manufacture of Black Matrix Films and Mask Blanks
ULVAC SINGAPORE PTE LTD.	11 Tampines Street 92, Tampines Biz-Hub, #02-08, Singapore 528872, Singapore	Field Support Service, Sales of Vacuum Components and Equipments
ULVAC MALAYSIA SDN. BHD. KL Factory	No. 8, Jalan Gitar 33/3, Elite Industrial Estate, Off Jalan Bukit Kemuning, 40400, 40350, Shah Alam, Selangor Darul Ehsan, Malaysia	Field support Service, Sales of Vacuum Components and Equipments and Provision U127 of Surface Treatment for Parts
ULVAC MALAYSIA SDN. BHD. Target & Bonding Factory ULVAC KL	No. 6, Jalan Biola Satu 33/1A, Elite Industrial Estate, Off Jalan Bukit Kemuning, 40400, Shah Alam, Selangor Darul Ehsan, Malaysia	Sales of Target, Target and Bonding Service
ULVAC MALAYSIA SDN. BHD. Kulim Branch	No.2, Lorong Perusahaan 6C, Kawasan Industri MIEL, 09000, 09600, Kulim, Kedah, Malaysia	Field Support Service, Sales of Vacuum Components and Equipments
ULVAC (THAILAND) LTD.	110/6 Moo 13, Soi 25/2, Kingkaew Road, Tambol Rachathewa, Amphur Bangplee, Samutprakarn, Thailand, 10540	Field Support Service, Sales of Vacuum Components and Equipments
ULVAC (THAILAND) LTD. (SPACE 2)	110/7 Moo 13, Soi 25/2, Kingkaew Road, Tambol Rachathewa, Amphur Bangplee, Samutprakarn, Thailand, 10540	Field Support Service, Sales of Vacuum Components and Equipments
ULVAC Technologies, Inc.	401 Griffin Brook Drive, Methuen, MA, 01844, USA	Sales, service and manufacturing of vacuum systems and components