

# MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: C624555 Initial certification date: 24 April 1995 (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 Quality Management System standard: **ISO 9001:2015 = JIS Q 9001:2015** 

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

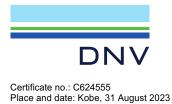


For the issuing office: DNV - Business Assurance Sannomiya Bldg South 11th Floor, 7-1-15 Goko-dori, Chuo-ku, Kobe, 651-0087 Japan



mah.

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.<br>Headquarters and Headquarters Plant     | 2500 Hagisono, Chigasaki City, Kanagawa<br>Pref., 253-8543 Japan | Design and Development, Production,<br>Installation and Servicing of<br>• Electric Device Manufacturing Equipment<br>and its Parts<br>• Vacuum Technology related Equipment<br>for Industry and its Parts<br>• Semiconductor Manufacturing Equipment<br>and its Parts, and<br>• Ultra High Vacuum Technology related<br>Equipment for Research & Development<br>and Manufacturing use and its Parts, and<br>Design and Development, Production and<br>Servicing of<br>• Products (Robot System, Control Panel,<br>Data Analysis Software) for Vacuum<br>Technology related Equipment.<br>Design, development and manufacture of<br>vacuum valves, vacuum measuring<br>instruments, film forming control<br>equipment, gas analyzers system, film<br>forming power supplies, evaporation<br>sources, vacuum transfer robots, and their<br>parts and ancillary services including<br>calibration. |
| ULVAC, Inc.<br>Fuji-Susono Plant                       | 1220-14 Suyama, Susono City, Shizuoka<br>Pref., 410-1231 Japan   | Semiconductor Manufacturing Equipment<br>and its Parts, and Unit Components<br>(Substrate Transfer Robots)/Design,<br>Development, Manufacturing, Installation,<br>and Servicing  |
| ULVAC, Inc.<br>Materials Division Chiba Tomisato Plant | 10-1 Misawa, Tomisato City, Chiba Pref.,<br>286-0225 Japan       | <ul> <li>Design and development of sputtering<br/>targets and vacuum deposition materials</li> <li>Design and development of equipment<br/>parts</li> <li>management</li> <li>Management of outsourced<br/>manufacturing (bonding)</li> <li>Sales support</li> </ul>  |
| ULVAC, Inc.<br>Materials Division Chiba Sammu Plant    | 516 Yokota, Sammu City, Chiba Pref.,<br>289-1297 Japan           | Design, development and manufacture of<br>sputtering targets and vacuum deposition<br>materials<br>Design, development and manufacturing of<br>equipment parts<br>Design, development and manufacture of<br>high melting point, heat resistant and<br>corrosion resistant metals and target<br>materials.<br>Design, development and manufacture of<br>surface hardened products and film-coated<br>products  |

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



| Site Name  | Site Address   | Site Scope   |
|--|--|--|
| ULVAC, Inc.<br>Kyushu Plant  | 3313-1 Kamino, Yokogawa-cho, Kirishima<br>City, Kagoshima Pref., 899-6301 Japan              | Design and Development, Production,<br>Installation and Servicing of<br>• Electric Device Manufacturing Equipment<br>and its Parts ,<br>• Vacuum Technology related Equipment<br>for Industry and its Parts<br>• Semiconductor Manufacturing Equipment<br>and its Parts, and<br>• Ultra High Vacuum Technology related<br>Equipment for Research & Development<br>and Manufacturing use and its Parts , and<br>Design and Development , Production and<br>Servicing of<br>• Products (Robot System, Control Panel ,<br>Data Analysis Software) for Vacuum<br>Technology related Equipment. |
| ULVAC, Inc.<br>Kyushu Plant<br>Kumamoto Processing Center  | 100-31 Yoshitomi, Shisui-machi, Kikuchi<br>City, Kumamoto Pref., 861-1201 Japan              | Manufacture of vacuum equipment and their parts  |
| ULVAC, Inc<br>Tohoku Plant   | 6-1-16 North-Interchange Industrial Park,<br>Hachinohe City, Aomori Pref., 039-2245<br>Japan | Design and Development, Production,<br>Installation and Servicing of<br>• Electric Device Manufacturing Equipment<br>and its Parts,<br>• Vacuum Technology related Equipment<br>for Industry and its Parts<br>• Semiconductor Manufacturing Equipment<br>and its Parts, and<br>• Ultra High Vacuum Technology related<br>Equipment for Research & Development<br>and Manufacturing use and its Parts, and<br>Design and Development, Production and<br>Servicing of<br>• Products (Robot System, Control Panel,<br>Data Analysis Software) for Vacuum<br>Technology related Equipment.     |
| ULVAC TECHNO, Ltd.<br>Head Office Higashinihon Customer<br>Support Division, Chigasaki CS Center<br>Engineering Division (excluding back-office<br>) | 2609-5 Hagisono, Chigasaki City,<br>Kanagawa Pref., 253-8555 Japan                           | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak   |
| ULVAC TECHNO, Ltd.<br>General Administration, Human Resources<br>& Accounting Dpt.   | 1220-14 Suyama, Susono City, Shizuoka<br>Pref., 410-1231 Japan                               | Planning and implementation of employee education  |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Iwate CS Center (excluding back-office)   | 15-35 Ryutsu Center, Kitakami City, Iwate<br>Pref., 240-0014 Japan                           | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak   |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division.<br>Chigasaki CS Center, Hokkaido Office  | 4-1838-10 Nishiki-cho, Chitose City,<br>Hokkaido, 066-0064 Japan                             | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak   |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Iwate CS Center, Miyagi Office (excluding<br>back-office)                           | 2-3-1 Hiyoridai, Tomiya City, Miyagi Pref.,<br>981-3304 Japan                                | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak   |

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| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Iwate CS Center, Yamagata Office      | 1863-13 Kanisawa, Higashine City,<br>Yamagata Pref., 999-3716 Japan    | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Ibaraki CS Center                     | 1232-12 Mukoyama, Naka City, Ibaraki<br>Pref., 311-0102 Japan          | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Saitama CS Center                     | 2-14-11 Hirosedai, Sayama City, Saitama<br>Pref., 350-1328 Japan       | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Mobara CS Center                      | 3210-7 Honno, Mobara City, Chiba Pref.,<br>212-0055 Japan              | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Nagano CS Center                      | 1805-3 Hirooka Nomura, Shiojiri City,<br>Nagano Pref., 399-0702 Japan  | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Hokuriku CS Center                      | 1140 Urushijima-machi, Hakusan City,<br>Ishikawa Pref., 924-0835 Japan | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Higashinihon Customer Support Division,<br>Nagano CS Center, Niigata Office      | 2-4 Toyo-cho, Myoko City, Niigata Pref.,<br>944-0009 Japan             | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Aichi CS Center (excluding back-office) | 31 Enokida, Ohira-cho, Okazaki City, Aichi<br>Pref., 444-0007 Japan    | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Aichi CS Center, Shizuoka Office        | 2-5 Yasaki-cho, Kakegawa City, Shizuoka<br>Pref., 436-0020 Japan       | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Aichi CS Center, Mie Office             | 1206-1 Seki-cho Ege, Kameyama City, Mie<br>Pref., 519-1106 Japan       | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Aichi CS Center, Yokkaichi Office       | 2-10-17 Horiki, Yokkaichi City, Mie Pref.,<br>510-0076 Japan           | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |

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| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Amagasaki CS Center (excluding<br>back-office)                 | 2-7-18 Kinrakuji-cho, Amagasaki City,<br>Hyogo Pref., 660-0806 Japan                         | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Himeji CS Center, Tokushima Office                             | 33-1 Nakazu,Oobara-cho, Tokushima City,<br>Tokushima Pref., 770-8012 Japan                   | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Amagasaki CS Center, Shiga Office                              | 100-20 Shohoji, Oshinohara, Yasu City,<br>Shiga Pref., 520-2313 Japan                        | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Himeji CS Center (excluding back-office)                       | 532-1 Noriyashiki, Domoto, Tatsuno-cho,<br>Tatsuno City, Hyogo Pref., 679-4129 Japan         | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Himeji CS Center, Hiroshima Office                             | 909-1, Saijohigashi, Saijo-cho,<br>Higashihiroshima City, Hiroshima Pref.,<br>739-0153 Japan | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Kumamoto CS Center, Fukuoka Office                             | 839-1 Nijomasue, Itoshima City, Fukuoka<br>Pref., 819-1613 Japan                             | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Kumamoto CS Center, Ooita Office                               | 1-12-41 Aosaki, Oita City, Oita Pref.,<br>870-0278 Japan                                     | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Kumamoto CS Center (excluding<br>back-office)                  | 100-31 Yoshitomi, Shisui-machi, Kikuchi<br>City, Kumamoto Pref., 861-1201 Japan              | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Nishinihon Customer Support Division,<br>Kumamoto CS Center Kagoshima Office<br>(excluding back-office) | 3313 Kamino, Yokogawa-cho, Kirishima<br>City, Kagoshima Pref., 899-6301 Japan                | Production, the installation of vacuum<br>apparatus, an apparatus and those parts<br>and incidental service, maintenance,<br>transference, remodeling and proofreading<br>service of a vacuum gauge and leak |
| ULVAC TECHNO, Ltd.<br>Engineering Division, Semiconductor<br>Department   | 1220-14 Suyama, Susono City, Shizuoka<br>Pref., 410-1231 Japan                               | Design and development, production, the<br>installation of vacuum apparatus, an<br>apparatus and those parts and incidental<br>service,maintenance,transference,remodel<br>ing.                              |
| ULVAC TECHNO, Ltd.<br>Surface Treatment Division (excluding back-office)  | 2658-19 Hagisono, Chigasaki City,<br>Kanagawa Pref., 253-0071 Japan                          | surface treatment  |
| ULVAC TECHNO, Ltd.<br>Surface Treatment Division, Manufacturing<br>Department, Yokokawa Manufacturing<br>Section              | 3313 Kamino, Yokogawa-cho, Kirishima<br>City, Kagoshima Pref., 899-6301 Japan                | surface treatment  |

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| ULVAC TECHNO, Ltd.<br>Surface Treatment Division, Manufacturing<br>Department, Izumi Manufacturing Section     | 2141 Oonohara, Izumi City, Kagoshima<br>Pref., 899-0216 Japan                                    | surface treatment   |
| ULVAC TECHNO, Ltd.<br>Surface Treatment Division, Production<br>Department, Chiba Manufacturing Section        | 516 Yokota, Sammu City, Chiba Pref.,<br>289-1226 Japan   | Surface Treatment & Precision Cleaning  |
| ULVAC TECHNO, Ltd.<br>Surface Treatment Division, Production<br>Department, Kagoshima Manufacturing<br>Section | 3313 Kamino, Yokogawa-cho, Kirishima<br>City, Kagoshima Pref., 899-6301 Japan                    | Surface Treatment & Precision Cleaning  |
| ULVAC COATING CORPORATION  | 2804 Terao, Chichibu City, Saitama Pref.,<br>368-0056 Japan                                      | Design, development and manufacturing of<br>Photomask blanks , Thin film products for<br>FPD and pattern products.  |
| FINE SURFACE TECHNOLOGY CO.,<br>LTD.   | 2804 Terao, Chichibu City, Saitama Pref.,<br>368-0056 Japan                                      | Design, development and manufacturing of<br>Photomask blanks , Thin film products for<br>FPD and pattern products.  |
| ULVAC KIKO, INC.<br>Head Office / Plant  | 291-7, Oaza Chausubaru, Saito City,<br>Miyazaki Pref., 881-0037 Japan                            | Design, development, manufacturing and<br>incidental services for oil rotary vacuum<br>pumps, dry vacuum pumps and small<br>vacuum equipment  |
| ULVAC KIKO, INC.<br>Yokohama Branch  | 1-10-4 Kitashin Yokohama, Kohoku-ku,<br>Yokohama City, Kanagawa Pref., 223-0059<br>Japan         | Incidental services of oil rotary vacuum<br>pumps, dry vacuum pumps and small<br>vacuum equipment   |
| ULVAC KIKO, INC.<br>Kagoshima Plant  | 3313-1 Kamino, Yokogawa-cho, Kirishima<br>City, Kagoshima Pref., 899-6301 Japan                  | Manufacturing avacuum pumps , vacuum valve, vacuum exhaust systems, auxiliary machines, and their parts, Installation and incidental services   |
| ULVAC KIKO, INC.<br>Chigasaki Plant  | 2500 Hagisono, Chigasaki City, Kanagawa<br>Pref., 253-8543 Japan                                 | Design and development, Production and servicing of vacuum pumps, vacuum exhaust devices  |
| ULVAC-PHI, Inc.<br>Head Office / Plant   | 2500 Hagisono, Chigasaki City, Kanagawa<br>Pref., 253-8543 Japan                                 | Design, development, sales and incidental services of surface analysis equipments   |
| ULVAC CRYOGENICS, INCORPORATED<br>Head Office & Factory  | 1222-1 Yabata, Chigasaki City, Kanagawa<br>Pref., 253-0085 Japan                                 | Design, development, manufacture, sales,<br>installation and ancillary services for<br>cryopumps, cryogenic equipment and<br>related components and materials.  |
| ULVAC CRYOGENICS, INCORPORATED<br>KYOTO OFFICE   | Akebono Bldg 97, Nakajimahoribata-cho,<br>Fushimi-ku, Kyoto City, Kyoto Pref.,<br>612-8452 Japan | After service (repair and maintenance) for<br>cryogenic equipment products after<br>shipment (cryocoolers for superconducting<br>magnets, liquid nitrogen generators).  |
| TIGOLD CORPORATION<br>Chigasaki Plant  | 2500 Hagisono, JP, Chigasaki City,<br>Kanagawa Pref., 253-8543 Japan                             | Design, development, manufacture and<br>sale of thin film coating products using<br>vacuum technology   |
| ULVAC (SHANGHAI) TRADING CO., LTD.   | 1st 3rd Floor, Building 1, No.1000 Qixin<br>Road, Minhang District Shanghai China<br>201199      | Provision of sales and aftersales services<br>including installation technology support<br>and repairing for ULVAC brand vacuum<br>equipments; Provision of sales services for<br>accessories of ULVAC brand vacuum<br>equipments |
| ULVAC (SHANGHAI) TRADING CO., LTD.<br>BEIJING BRANCH   | 1F, Building 5, No.2 Xingye Street, BDA,<br>Beijing China 100176                                 | Provision of sales and aftersales services<br>including installation technology support<br>and repairing for ULVAC brand vacuum<br>equipments; Provision of sales services for<br>accessories of ULVAC brand vacuum<br>equipments |

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|---|---|---|
| ULVAC (SHANGHAI) TRADING CO., LTD.<br>CHENGDU BRANCH  | No.229, Teng Fei Road, Qinyang, Chengdu<br>Sichuan Province China 610091  | Provision of sales and aftersales services<br>including installation technology support<br>and repairing for ULVAC brand vacuum<br>equipments; Provision of sales services for<br>accessories of ULVAC brand vacuum<br>equipments |
| ULVAC (SHANGHAI) TRADING CO., LTD.<br>CHENGDU BRANCH  | 3rd floor, Building 12, T District, No.108<br>Jingye Road, Qingyang District, Chengdu<br>Sichuan Province China 610073            | Provision of sales services for accessories<br>of ULVAC brand vacuum equipments   |
| ULVAC (SHANGHAI) TRADING CO., LTD.<br>DALIAN BRANCH   | No.39-13-1 Shengming 2nd Road, Dalian<br>Economic And Technology Development<br>Zone, Dalian Liaoning Province China<br>116620    | Provision of sales and aftersales services<br>including installation technology support<br>and repairing for ULVAC brand vacuum<br>equipments; Provision of sales services for<br>accessories of ULVAC brand vacuum<br>equipments |
| ULVAC (SHANGHAI) TRADING CO., LTD.<br>SHENZHEN BRANCH | R0104&R1302-6 Building, Skyworth<br>Innovation Valley No 8, Tangtou 1st Rd,<br>Shiyan, Baoan Shenzhen Guangdong<br>Province China | Provision of sales and aftersales services<br>including installation technology support<br>and repairing for ULVAC brand vacuum<br>equipments; Provision of sales services for<br>accessories of ULVAC brand vacuum<br>equipments |
| ULVAC (NINGBO) CO., LTD.                              | No.888 Tonghui Road, Jiangbei Disrtict,<br>Ningbo Zhejiang Province China 315020  | Production and Service of Vacuum Pumps<br>and Pirani Vacuum Gauges and<br>Cold-Cathode Ion Gauge and Design,<br>Production and Service of Vacuum<br>Equipments  |
| ULVAC (SUZHOU) CO., LTD.                              | No.277 Suhong East Road Suzhou<br>Industrial Park, Suzhou Jiangsu Province<br>China 215026  | Manufacture of vacuum equipment and<br>related parts used for electron and<br>semiconductors  |
| ULVAC Orient (Chengdu) Co., Ltd.                      | No.89 Baicao Road, Hi-Tech West Zone,<br>Chengdu, Sichuan Province, China 611731  | Design, development, manufacture and after-sale service of Vacuum Film Coating System.  |
| ULVAC Automation Technology<br>(Shanghai) Corporation | No.198 Huancheng East Road, Nanqiao<br>Town, Fengxian District Shanghai China<br>241401   | Design and production of control panels for factory automation & vacuum equipment   |
| ULVAC (Shenyang) Co., Ltd.                            | No.12A, Lantai Road, Hunnan District,<br>Shenyang Liaoning Province China 110171  | Research, development and production of<br>vacuum furnace, vacuum related<br>equipment and parts; Sales and after-sales<br>service of the above products; Leasing and<br>sales of electromechanical equipment.                    |
| ULVAC (CHINA) HOLDING CO., LTD.                       | No.1000, Qixin Road, Minhang Shanghai<br>China 201199   | Provision consulting and support services for ULVAC companies within China  |
| ULVAC CRYOGENICS (NINGBO)<br>INCORPORATED             | No.888 Tonghui Road, Jiangbei Disrtict,<br>Ningbo, Zhejiang Province, China 315020  | Assembling of cryopumps, cryotraps, 4K GM refrigerators and relevant parts  |
| ULVAC Materials (Suzhou) CO., LTD.                    | No.55, Pingsheng Road, Industrial Park,<br>Suzhou Jiangsu Province China 215126   | The manufacture of sputtering target<br>materials for liquid crystal display, solar<br>cells and semiconductor industries   |
| ULVAC Tianma Electric (Jingjiang) Co.,<br>Ltd.        | No.18 Xinzhou Road Jingjiang, Jiangsu<br>Province, China 214500   | Design, production and sales of motor   |
| ULVAC KOREA, Ltd.<br>PYEONGTAEK PLANT                 | 5, Hansan-gil, Cheongbuk-eup,<br>Pyeongtaek-si, Gyeonggi-Do, 17792,<br>Republic of Korea  | Production, Installation and servicing of vacuum equipment  |
| ULVAC KOREA, Ltd.<br>HYEONGOK PLANT                   | 123, Hyeongoksandan-ro, Cheongbuk-eup,<br>Pyeongtaek-si, Gyeonggi-Do, 17812,<br>Republic of Korea                                 | Production, Installation and servicing of vacuum equipment  |

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| ULVAC KOREA, Ltd.<br>Bundang Office                        | 27F B Kins Tower, 8, Seongnam-daero<br>331beon-gil, Bundang-gu, Seongnam-si,<br>Gyeonggi-Do, Republic of Korea | Sales and design of Vacuum equipment   |
| ULVAC KOREA, Ltd.<br>Songtan Plant                         | 68, Sandan-ro 52beon-gil, Pyeongtaek-si,<br>Gyeonggi-Do, Republic of Korea                                     | Vacuum Robot Manufacturing and Service,<br>Vacuum Valve Service  |
| Pure Surface Technology, Ltd.<br>Hyeongok Plant            | 60, Hyeongoksandan-ro 93beon-gil,<br>Cheongbuk-eup, Pyeongtaek-si,<br>Gyeonggi-Do, 17812, Republic of Korea    | The provision of surface treatment of metal<br>parts for maintenance of flat panel display<br>and semiconductor equipment  |
| Pure Surface Technology, Ltd.<br>Poseung Plant             | 282, Poseung jangahn ro, Poseung eup,<br>Pyeongtaek-si, Gyeonggi-Do, 17813,<br>Republic of Korea               | The provision of surface treatment of metal<br>parts for maintenance of flat panel display<br>and semiconductor equipment  |
| Pure Surface Technology, Ltd.<br>3rd Plant                 | 21, Hyeongoksandan-ro, Cheongbuk-eup,<br>Pyeongtaek-si, Gyeonggi-Do, Republic of<br>Korea                      | The provision of surface treatment of metal<br>parts for maintenance of flat panel display<br>and semiconductor equipment  |
| Pure Surface Technology, Ltd.<br>Paju Plant                | 51, Dangdong 2-ro, Munsan-Eup,<br>Paju-City, Gyeonggi-Do, 10816, Republic<br>of Korea                          | Manufacture of sputtering target   |
| Pure Surface Technology, Ltd.<br>4th Plant                 | 60, Hyeongoksandan-ro 93beon-gil,<br>Cheongbuk-eup, Pyeongtaek-si,<br>Gyeonggi-Do, 17812, Republic of Korea    | Production of vacuum equipment<br>(chamber) and related equipment  |
| ULVAC CRYOGENICS KOREA<br>INCORPORATED                     | 107, Hyeongoksandan-ro, Cheongbuk-eup,<br>Pyeongtaek-si, Gyeonggi-Do, 17812,<br>Republic of Korea              | Production and servicing of cryopumps,<br>low-temperature equipments, and their<br>relevant parts and apparatuses  |
| ULVAC TAIWAN INC.  | 8F., No. 5, Keji Rd., Hsinchu Science Park,<br>Hsinchu 300092 Taiwan(R.O.C.)                                   | Provisions of Installation, Trading and Services for Vacuum Equipment.   |
| ULVAC TAIWAN INC.<br>Tainan Science Industrial Park Branch | No. 27, Nanke 2nd Rd., Southern Taiwan<br>Science Park, Xinshi Dist. Tainan 744092<br>Taiwan(R.O.C.)           | Provisions of Design, Installation,<br>Manufacture, Trading and Services for<br>Vacuum Equipment.  |
| ULVAC SOFTWARE CREATIVE<br>TECHNOLOGY, CO.,LTD.            | 23F., No.27-9, Sec. 2, Zhongzheng E. Rd.,<br>Tamsui Dist., New Taipei 251401<br>Taiwan(R.O.C.)                 | Design and develop software for<br>semiconductor and FPD (Flat Plant<br>Display)automatic product equipments.  |
| Ultra Clean Precision Technologies Corp.                   | No. 27, Sec. 1, Huandong Rd., Southern<br>Taiwan Science Park, Xinshi Dist. Tainan<br>744092 Taiwan(R.O.C.)    | <ol> <li>Maintenance service for vacuum<br/>components including supply of<br/>consumables for vacuum pump, gauge,<br/>valve, transfer robot, power<br/>supply, E/B gun, etc.</li> <li>Surface treatment and refurbish service<br/>for Sputtering/PECVD parts<br/>in Semiconductor/TFT-LCD applicatio</li> </ol> |
| Ultra Clean Precision Technologies Corp.<br>Taoyuan Branch | No.20, Ln. 211, Puzhong Rd., Zhongli Dist.<br>Taoyuan 320071 Taiwan(R.O.C.)                                    | Maintenance service for vacuum<br>components including supply of<br>consumables for vacuum pump, gauge,<br>valve, transfer robot, power supply, E/B<br>gun, etc.   |
| ULVAC Materials Taiwan, Inc.                               | No.37 Keya Road Daya District Taichung<br>428015 Taiwan(R.O.C.)  | Manufacture of sputtering target   |
| ULCOAT TAIWAN, Inc.  | No.60, Industry III Road, An-Nan District,<br>Tainan 709015 Taiwan(R.O.C.)                                     | Manufacture of Black Matrix Films and<br>Mask Blanks   |
| ULVAC SINGAPORE PTE LTD.                                   | 11 Tampines Street 92, Tampines Biz-Hub,<br>#02-08, Singapore 528872, Singapore                                | Field Support Service, Sales of Vacuum<br>Components and Equipments  |

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



| Site Name   | Site Address   | Site Scope  |
|---|--|---|
| ULVAC MALAYSIA SDN. BHD.<br>KL Factory                        | No. 8, Jalan Gitar 33/3, Elite Industrial<br>Estate, Off Jalan Bukit Kemuning, 40400,<br>40350, Shah Alam, Selangor Darul Ehsan,<br>Malaysia | Field support Service, Sales of Vacuum<br>Components and Equipments and<br>Provision U127 of Surface Treatment For<br>Parts                       |
| ULVAC MALAYSIA SDN. BHD.<br>Target & Bonding Factory ULVAC KL | No. 6, Jalan Biola Satu 33/1A, Elite<br>Industrial Estate, Off Jalan Bukit Kemuning,<br>40400, Shah Alam, Selangor Darul Ehsan,<br>Malaysia  | Sales of Target, Target and Bonding<br>Service  |
| ULVAC MALAYSIA SDN. BHD.<br>Kulim Branch                      | No.2, Lorong Perusahaan 6C, Kawasan<br>Industri MIEL, 09000, 09600, Kulim, Kedah,<br>Malaysia  | Field Support Service, Sales of Vacuum<br>Components and Equipments   |
| ULVAC (THAILAND) LTD.   | 110/6 Moo 13, Soi 25/2, Kingkaew Road,<br>Tambol Rachathewa, Amphur Bangplee,<br>Samutprakarn, Thailand, 10540                               | Field Support Service, Sales of Vacuum<br>Components and Equipments   |
| ULVAC (THAILAND) LTD.<br>(SPACE 2)                            | 110/7 Moo 13, Soi 25/2, Kingkaew Road,<br>Tambol Rachathewa, Amphur Bangplee,<br>Samutprakarn, Thailand, 10540                               | Field Support Service, Sales of Vacuum<br>Components and Equipments   |
| ULVAC Technologies, Inc.                                      | 401 Griffin Brook Drive, Methuen, MA, 01844, USA   | Sales, service and manufacturing of<br>vacuum systems and components  |
| ULVAC GmbH  | Klausnerring 4, 85551 Kirchheim bei<br>München, Germany  | Sales, installation and service including<br>repairs, maintenance and modifications of<br>vacuum systems and other products of the<br>ULVAC group |

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