MATTSON TECHNOLOGY, INC. SUBSIDIARIES OF THE REGISTRANT

Mattson International, Inc. Mattson Technology Holdings, LLC Mattson Wet Products, Inc. STEAG CVD Systems Ltd. Mattson Technology Japan K.K. Mattson International Korea Co. Mattson Technology Singapore Pte. Ltd. Mattson International, Inc. Taiwan Branch * Mattson Technology Holding GmbH Mattson International GmbH Mattson Thermal Products GmbH Mattson International France Sarl Mattson Technology Srl (in liquidation) Mattson Trading (Shanghai) Co., Ltd. Mattson Technology Cayman Holdings, Ltd. Mattson Technology Canada, Inc. Mattson Technology Israel Ltd.

*Note: this is not a subsidiary, but a branch registration