



BILLING CODE 3510-DS-P

**DEPARTMENT OF COMMERCE**

**International Trade Administration**

**Lawrence Berkeley National Laboratory *et. al***

**Application(s) for Duty-Free Entry of Scientific Instruments**

Pursuant to Section 6(c) of the Educational, Scientific and Cultural Materials Importation Act of 1966 (Pub. L. 89-651, as amended by Pub. L. 106-36; 80 Stat. 897; 15 CFR part 301), we invite comments on the question of whether instruments of equivalent scientific value, for the purposes for which the instruments shown below are intended to be used, are being manufactured in the United States.

Comments must comply with 15 CFR 301.5(a)(3) and (4) of the regulations and be postmarked on or before (Insert date 20 days after publication in the FEDERAL REGISTER). Address written comments to Statutory Import Programs Staff, Room 40005, U.S. Department of Commerce, Washington, D.C. 20230. Please also e-mail a copy of those comments to [Eva.Kim@trade.gov](mailto:Eva.Kim@trade.gov).

Docket Number: 25-024. Applicant: Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720. Instrument: Helium Liquefaction Plant. Manufacturer: Air Liquide Advanced Technologies, France. Intended Use: The instrument is intended to enhance the testing capabilities for high-current, large-stored-energy superconducting magnets through reliable, efficient, and high-capacity cryogenic

support. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States.

Application accepted by Commissioner of Customs: May 9, 2025.

Docket Number: 25-025. Applicant: Stanford University, 450 Jane Stanford Way, Stanford, CA 94305. Instrument: Ultrafast Electron Diffraction (UED) with

Radiofrequency Compression. Manufacturer: e-Ray Scientific, Canada. Intended

Use: The instrument is intended to study how various materials such as magnets, metals, and insulators change their structure after being hit by short laser pulses, exploring interactions among electrons and atoms within these materials, and observing

their rapid responses in detail. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 12, 2025.

Docket Number: 25-026. Applicant: Stanford University, 450 Jane Stanford Way, Stanford, CA 94305. Instrument: Coherent Astrella Laser Amplifier

System. Manufacturer: Coherent, United Kingdom. Intended Use: The instrument is intended to investigate how a wide range of crystalline solids, including metals,

magnets, and insulators respond to the illumination of intense light pulses. Justification

for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by

Commissioner of Customs: May 14, 2025.

Docket Number: 25-027. Applicant: Trustees of Indiana University, 107 S Indiana Ave. Bloomington, IN 47405. Instrument: High-Precision Multi-Channel Voltage Supply. Manufacturer: ISEG HV, Germany. Intended Use: The instrument is intended to study an array of trapped atomic ions which must be confined using precision voltages applied to electrodes of the ion trap and to construct a state-of-the-art quantum simulation device. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 30, 2025.

Docket Number: 25-030. Applicant: California Institute of Technology, 1200 E California Blvd. Pasadena, CA 91125. Instrument: Intra-cavity doubled, low noise, high-power narrow linewidth VECSEL laser at 460.862 nm wavelength and 1.5W power. Manufacturer: Vexlum Ltd., Finland. Intended Use: The instrument is intended to use ytterbium and strontium atoms trapped in optical tweezer arrays to realize a programmable optical clock platform which will be used to study how quantum-enhancement metrology can be realized through large-scale entangled states. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 30, 2025.

Docket Number: 25-031. Applicant: Trustees of Purdue University, 2550 Northwestern Ave., Suite 1100, West Lafayette, IN 47906. Instrument: Unitree Humanoid Robot. Manufacturer: HangZhou YuShu Technology Co., Ltd., China. Intended Use: The

instrument is intended to develop and deploy task-oriented generative AI modules to enable advanced, fine-grained and precise motion control, and real-time reasoning in multi-humanoid robot systems; develop a generative AI-powered real-time collaborative and communication framework for multi-human multi-humanoid robot interaction; and design a scalable and adaptive human-robot interface to effectively support both human-in-the-loop and human-on-the-loop decision making. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 30, 2025.

Docket Number: 25-033. Applicant: University of South Florida, 4202 E Fowler Ave, Tampa FL 33620. Instrument: Miniature Two Photon Microscope. Manufacturer: Nanjing Transcend Vivoscope Bio-Technology Co., Ltd., China. Intended Use: The instrument is intended to record fluorescent signals in specific populations of neuronal or non-neuronal cells in mice brains and to develop the principles regarding how these brain cells encode and/or regulate behaviors of mice. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 30, 2025.

Docket Number: 25-035. Applicant: UChicago Argonne LLC, 9700 South Cass Avenue, Lemont, Illinois, 60439. Instrument: Detector Manipulation System. Manufacturer: JJ X-Ray A/S, Denmark. Intended Use: The instrument is intended to be used to accurately

position detectors over a large motion range with high stability. The system will be used for operations at the Advanced Photon Source (APS), a third-generation synchrotron light source that produces very bright and concentrated x-ray beams used for imaging in material science and biomedical applications. The instrument will further the understanding of different materials and material properties, and aid in the development of new materials. Justification for Duty-Free Entry: According to the applicant, there are no instruments of the same general category manufactured in the United States. Application accepted by Commissioner of Customs: May 30, 2025.

Dated: August 11, 2025.

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