



UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF INDUSTRY AND SECURITY
WASHINGTON, D.C. 20230

EXPORT LICENSE

U.S. DEPARTMENT OF COMMERCE
INDUSTRY AND SECURITY

D475577

VALIDATED: JAN 21 2012

EXPIRES: JAN 31 2014

THIS LICENSE AUTHORIZES THE LICENSEE TO CARRY OUT THE EXPORT TRANSACTION DESCRIBED ON THE LICENSE (INCLUDING ALL ATTACHMENTS). IT MAY NOT BE TRANSFERRED WITHOUT PRIOR WRITTEN APPROVAL OF THE OFFICE OF EXPORT LICENSING. THIS LICENSE HAS BEEN GRANTED IN RELIANCE ON REPRESENTATIONS MADE BY THE LICENSEE AND OTHERS IN CONNECTION WITH THE APPLICATION FOR EXPORT AND IS EXPRESSLY SUBJECT TO ANY CONDITIONS STATED ON THE LICENSE, AS WELL AS ALL APPLICABLE EXPORT CONTROL LAWS, REGULATIONS, RULES, AND ORDERS. THIS LICENSE IS SUBJECT TO REVISION, SUSPENSION, OR REVOCATION WITHOUT PRIOR NOTICE.

APPLICANT REFERENCE NUMBER: AJL0054

VEECO INSTRUMENTS INC.
1 TERMINAL DRIVE
PLAINVIEW, NY 11803

PURCHASER:
INSTITUTE OF MICROELECTRONICS
11 SCIENCE PARK ROAD
SINGAPORE SCIENCE PARK II
SINGAPORE, SINGAPORE

ULTIMATE CONSIGNEE:
INSTITUTE OF MICROELECTRONICS
11 SCIENCE PARK ROAD
SINGAPORE SCIENCE PARK II
SINGAPORE, SINGAPORE

INTERMEDIATE CONSIGNEE:
VDL ENABLING TECHNOLOGIES GROUP
(SINGAPORE) PTE. LTD.
259 JALAN AHMAD IBRAHIM
SINGAPORE, SINGAPORE

APPROVED END USER(S):
VEECO ASIA PTE. LTD
11 BIOPOLIS WAY #10-05/08
THE HELIOS
SINGAPORE, SINGAPORE

COMMODITIES:			TOTAL
QTY	DESCRIPTION	ECCN	PRICE
1	MODEL: TURBODISC K465I GAN, PRODUCTION-PROVEN & HIGH PRODUCTIVITY FOR HIGH VOLUME, HIGH-BRIGHTNESS LED PRODUCTION	3B001	\$2,900,000



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FABS. ACHIEVES UP TO 90% YIELD (5NM BIN) DUE
TO UNIFORMITY & RUN-TO-RUN REPEATABILITY.
HIGH PRODUCTIVITY DUE TO FULL AUTOMATION &
SHORTENED RECOVERY PERIOD.

TOTAL: \$2,900,000

THE EXPORT ADMINISTRATION REGULATIONS REQUIRE YOU TO TAKE THE FOLLOWING ACTIONS
WHEN EXPORTING UNDER THE AUTHORITY OF THIS LICENSE.

- A. RECORD THE EXPORT COMMODITY CONTROL NUMBER IN THE BLOCK
PROVIDED IN THE AUTOMATED EXPORT SYSTEM (AES)

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- B. RECORD YOUR VALIDATED LICENSE NUMBER IN THE BLOCK
PROVIDED IN AES

- C. PLACE A DESTINATION CONTROL STATEMENT ON ALL BILLS OF LADING,
AIRWAY BILLS, AND COMMERCIAL INVOICES.

RIDERS AND CONDITIONS:

1. APPROVAL IS GRANTED TO EXPORT FROM VEECO US AND/OR RE-EXPORT FROM
VDL ENABLING TECHNOLOGIES GROUP, SINGAPORE, A TOTAL OF UP TO ONE (1)
TURBODISC K465I GAN MOCVD SYSTEM TO BE SHIPPED TO INSTITUTE OF
MICROELECTRONICS, SINGAPORE. EXPORT OF THE TURBODISC K465I GAN MOCVD
SYSTEM SHIPPED UNDER THIS LICENSE APPLICATION SHALL NOT EXCEED A
COMBINED TOTAL OF ONE (1) SYTEM. 2. FOR STATED END USE ONLY.
3. NO MILITARY END USERS/END USES. NO USE IN THE MANUFACTURE OF
DEVICES TO BE INCORPORATED INTO MILITARY SYSTEMS/COMMODITIES. THE
VEECO EQUIPMENT SHALL BE USED ONLY TO PRODUCE PRODUCTS FOR COMMERCIAL
APPLICATIONS. 4. NO USE FOR THE MANUFACTURE OF SPACE-QUALIFIED
COMPONENTS AND/OR ASSEMBLIES. 5. FUTURE UPGRADES/MODIFICATION
(E.G., EXCHANGE OF THE REACTOR AND EXHAUST SYSTEMS) SHALL REQUIRE
PRIOR US GOVERNMENT AUTHORIZSTION. 6. THE COMMODITY SHALL NOT BE
RESOLD, TRANSFERRED, RE-EXPORTED, NOR OTHERWISE DISPOSED OF WITHOUT
PRIOR US GOVERNMENT AUTHORIZATION. 7. THE EXPORTER OR ITS
REPRESENTATIVES, DURING EACH MAINTENANCE AND SERVICE VISIT TO THE
CONSIGNEE'S FACILITY, WILL ASSURE (TO THE BEST OF THEIR ABILITY) THAT



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THE EQUIPMENT IS STILL BEING USED FOR THE APPROVED PURPOSES. THE REPRESENTATIVE WILL PROVIDE AN ANNUAL REPORT SUMMARIZING SUCH VISITS TO THE US DEPARTMENT OF COMMERCE, EXPORT MANAGEMENT AND COMPLIANCE DIVISION, 14TH STREET AND PENNSYLVANIA AVENUE, NW, ROOM 2705, WASHINGTON, D.C. 20230. SUCH REPORTS SHALL CONTINUE FOR THE DURATION OF ANY MAINTENANCE CONTRACT(S) FOR THE EQUIPMENT AUTHORIZED FOR EXPORT UNDER THIS LICENSE.

8. THE EXPORTER WILL NOTIFY THE US DEPARTMENT OF COMMERCE, BUREAU OF INDUSTRY AND SECURITY, OFFICE OF EXPORT ENFORCEMENT, 14TH AND CONSTITUTION AVE NW, WASHINGTON DC, 20230, AS SOON AS IS PRACTICABLE, SHOULD THE APPLICANT HAVE ANY REASON TO BELIEVE THAT THE CONSIGNEE IS NOT IN COMPLIANCE WITH THE LICENSE CONDITIONS. IN ADDITION, THE EXPORTER WILL SUSPEND ALL SUPPORT SERVICES UNTIL THE BREACH IS CURED AND RESUMPTION OF SERVICE IS AUTHORIZED BY THE US GOVERNMENT.

9. THE END USER AND ULTIMATE CONSIGNEE MUST MAINTAIN PRODUCTION RECORDS FOR A PERIOD OF FIVE YEARS AND MAKE THEM AVAILABLE TO THE U.S. GOVERNMENT UPON REQUEST. AT A MINIMUM, THE RECORDS MUST INDICATE PRODUCTION DATA, MATERIALS USED TO GROW WAFERS, NUMBER OF FINAL END PRODUCTS (E.G., COMPLETE WAFERS, CHIPS AND/OR LEDS) SOLD TO ALL CUSTOMERS. PLEASE BE SURE TO PROVIDE THE COMPLETE NAME OF ALL CUSTOMERS (IN ENGLISH), ALONG WITH COMPLETE STREET ADDRESS.

10. THE CONSIGNEE SHALL ENSURE THAT THE COMMODITY EXPORTED UNDER THIS LICENSE IS AVAILABLE FOR INSPECTION BY REPRESENTATIVES OF THE US GOVERNMENT, UPON REQUEST, AND DURING NORMAL BUSINESS HOURS.

11. THE APPLICANT MUST OBTAIN FROM THE CONSIGNEE A WRITTEN COMMUNICATION PRIOR TO SHIPMENT ACKNOWLEDGING AND ACCEPTING

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ALL LICENSE TERMS AND CONDITIONS.

2. AFTER THE FIRST SHIPMENT IS MADE AGAINST THIS LICENSE, SEND ONE COPY OF YOUR SHIPPER'S EXPORT DECLARATION, OR AUTOMATED EXPORT SYSTEM (AES) RECORD, BILL OF LADING OR AIRWAY BILL TO THE DEPARTMENT OF COMMERCE WITHIN 30 DAYS OF THE DATE OF EXPORT. INDICATE THE LICENSE NUMBER ON EACH DOCUMENT. SEND THESE DOCUMENTS TO THE BUREAU OF INDUSTRY AND SECURITY, OFFICE OF ENFORCEMENT ANALYSIS, ROOM 4065, 14TH STREET AND CONSTITUTION AVENUE, N.W., WASHINGTON, D.C. 20230. THESE DOCUMENTS MUST BE RECEIVED BY CERTIFIED MAIL OR VIA A PRIVATE COURIER. THEY MAY NOT BE FAXED.