

## CNM Grant Procurement Memo

Applies to:

- Federal purchases \$10,000 and above or,
- State purchases \$20,000 and above
- Purchases less than \$60,000

Funding source (choose one):

State

Federal

**Grant/Project Title:** Elevate Quantum EDA

**Project Director/PI:** Brian Rashap

**Grant number within Workday:** GR300448

**Description of goods or services:** Short description of what is needed

Laser for MOT system

**Benefit to grant and CNM:** Describe how/why this purchase will meet objectives of project.

Required to perform laser cooling and give students the full quantum experience.

**Estimated dollar amount:** \$35,127.34

**Rationale for method of procurement:** Describe how quotes were gathered

Direct Quotes from Vendors

**Contractor selection or rejection:** Name each vendor and indicate whether selected or rejected. This will document and justify the decision for procurement.

- VENDOR #1: ThorLabs
  - ThorLabs: ACCEPTED
  - Amount of Quote: \$35,127.34
  - Justification: Stability consistent with classroom needs. US manufacture.
- VENDOR #2: QuTools
  - QuTools: REJECTED
  - Amount of Quote: \$32,488
  - Justification: Stability in multi-user environment may not enable it to meet performance needs. Non US
- VENDOR #3: Toptica
  - Newport / MKS: REJECTED
  - Amount of Quote: \$36,426.
  - Justification: More expensive. Less stable when used by multiple users, non US

## VENDOR #1: Vescent



Vescent  
14998 W. 6th Ave., Suite 700  
Golden, CO 80401  
USA

Quote No. 250703-7933  
Lead Time 12-16 Weeks  
Payment Terms Net 15 days  
Shipping Method FOB Factory

Created Date 7/3/2025  
Expiration Date 8/2/2025

Contact Name Brian Rashap  
Phone (505) 850-6352  
Email brashap@cnm.edu  
Ship To Name Central New Mexico Community College

Prepared By Eduardo Oteiza  
Phone (303) 296-6766 x68  
Email eoteiza@vescent.com

Product	Product Description	Sales Price	Quantity	Total Price
D2-005-120V	D2 Power Supply (North America / 120VAC)	\$1,462.00	1.00	\$1,462.00
D2-105-500	500 mA laser controller -low-noise Libbrecht-Hall design -<150 nA rms noise (10 Hz - 1 MHz) -GHz modulation capability -two stages of PID temperature regulation	\$5,561.00	1.00	\$5,561.00
D2-200-DBR-780-HP	High-Power Laser Head - Distributed Bragg Reflector Laser Diode -- <500 kHz linewidth -- >100 mW at 780 nm -- Current tuned: no moving parts eliminates mechanical resonances -- >25 GHz mode hop-free tuning -- Tested to lase at the D2 transition frequency of Rb  - Internal Isolator -- >60 dB isolation two-stage isolation -- <1.4 dB insertion loss  - Temperature Control -- Two TEC/thermistor pairs for temperature stabilization of diode & housing -- <1 mK stability with Vescent control circuit	\$19,874.00	1.00	\$19,874.00
D2-210-RB	Saturated Absorption Spectroscopy Module -Rb spectrum frequency reference -magnetic shielding -large dynamic range power input (<2 mW to >1,000 mW) -pass-through or terminal beam configurations -easy alignment optomechanical mounts	\$6,425.00	1.00	\$6,425.00
D2-125-PL	D2-125 Reconfigurable Servo features -full PIID loop filter with 10 MHz bandwidth -internal ramp generator -auxiliary servo channel for long-term drift or PZT control -Lock Guard auto relock functionality -ramp centering servo signal offset capability -optional peak locking functionality	\$5,600.00	1.00	\$5,600.00
10% Academic Discount		-\$3,892.20	1.00	-\$3,892.20
SHIPPING	US domestic shipping	\$97.54	1.00	\$97.54

Eduardo Oteiza, Ph.D.  
Vice President of Sales



Vescent  
14998 W. 6th Ave., Suite 700  
Golden, CO 80401  
USA

Please note:

1. Shipping is *prepay & add* unless otherwise specified in writing.
2. This sale is governed by the attached document Vescent T&Cs 230918.
3. Please be advised that Vescent Photonics LLC has officially changed its name to Vescent Technologies, Inc. There has been no change to our address or tax identification numbers. We appreciate your attention to this update and request that you adjust your records accordingly.

Total Price \$35,127.34  
Grand Total \$35,127.34

## VENDOR # 2: MOGLabs

29 May 2025



Central New Mexico Community College, Brian Rashap  
brashap@cnm.edu

United States of America

### Quote Q250529-04

PRODUCT	DESCRIPTION	QTY	EACH	DISC.(%)	PRICE
CEX Cateye laser at 780nm, up to 100mW before isolator					
CEX	CEL Cateye laser, eXtended chassis option for internal mounting of isolator Replaces CEL option. Includes long chassis for internal mounting of isolator (i.e. CEX = CEL + X-CHASSIS).	1	10,670.00	20.00	8,536.00
780AR120	Laser diode 760 to 795nm 200/250mA 100/120/150mW extracavity, AR coated	1	2,160.00	20.00	1,728.00
dDLC	Digital external cavity diode laser controller Includes IEC power cable, DVI-D DL cable. No photodetector included	1	11,430.00	20.00	9,144.00
MFS780	750 to 810nm Faraday isolator single stage 4.7mm min. 35dB	1	2,340.00	20.00	1,872.00
Subtotal					21,280.00
Subtotal					USD 21,280.00
Tariff (10%) on \$ 21,280.00					USD 2,128.00
Total					USD 23,408.00

Total includes direct shipping from Australia, insurance. Subject to tariff changes. Optional products subject to tariff surcharges.

MOGLabs USA serves as Importer of Record and handles Customs clearance.

Payment by check or ACH direct deposit preferred. 3% surcharge for credit card payments.

Please send orders to MOGLabs USA: laura.white@moglabs.com.

Quote valid until: 28 July 2025

### Optional Products

PRODUCT	DESCRIPTION	QTY	EACH	PRICE
MFD780	760 to 805nm Faraday double isolator 4.7mm 60dB	1.00	3,740.00	3,740.00
FC-OUT	Fibre port, includes mirrors, fibre coupler (FC/APC), HWP Please advise MOGLabs regarding fibre core type for optimum lens matching	1.00	2,230.00	2,230.00
SKD	Dual variable output, PBS + waveplate	1.00	460.00	460.00
FPC-PM-PM630HP-22-2	Fibre patchcord, PM630HP Panda, FC/APC to FC/APC, 2m	1.00	300.00	300.00
MGSA-APC	Saturated absorption setup with gas cell and tuned coil, FC/APC input	1.00	2,510.00	2,510.00
dDLC-RACK	dDLC rack mount bracket ears (pair)	1.00	140.00	140.00
DVI-3M	DVI-D cable for laser, 3m	1.00	100.00	100.00
Total				USD 9,480.00

MOG Laboratories Pty Ltd  
49 University St  
Carlton, VIC 3053 Australia  
Tel: +61 3 9939 0677  
info@moglabs.com

MOGLabs USA  
419 14th St  
Huntingdon, PA 16652, USA  
Tel: (814) 251-4363  
info@moglabs.com

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# VENDOR #3: Toptica



TOPTICA Photonics, Inc., 1120 Pittsford Victor Rd, Pittsford, NY 14534  
New Mexico Community College  
Brian Rashap  
525 Buena Vista DR SE  
Albuquerque, NM 87106  
United States of America

DUNS : 126136459 Phone No : 585.857.8983  
CAGE : 30FNA Fax No : 877.277.9897  
UEI No : FVCAHJCS472 Email : sales@topica-usa.com  
Internet : www.topica.com

Quote RFQ.25.01402

2026-08-24

Customer # :  
Salesperson: Maddie Michoy  
Maddie.Michoy@topica-usa.com

Dear Customer,  
many thanks for your inquiry and interest in our products. Below is a summary of your quotation. Detailed information on each item can be found in the following pages.

## Summary

Pos	Description	Qty.	Unit Price	Discount Unit Price	Amount
10	DLC DL PRO 780 S DLC DL PRO 780 S Locking option key	1	23,700.00		23,700.00
20	DLC PRO LOCK DLC PRO LOCK Saturation Spectroscopy Module	1	3,400.00		3,400.00
30	COSY FC-CS+RB+K COSY FC-CS+RB+K	1	5,980.00		5,980.00
TOTAL USD					33,080.00

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TOPTICA Photonics, Inc.  
1120 Pittsford Victor Rd  
Pittsford, NY 14534  
United States of America

Phone No : 585.857.8983  
Fax No : 877.277.9897  
sales@topica-usa.com  
www.topica.com

Bank of America  
SWIFT-Code: BOFAUS33  
Account: 483010306114  
Routing No: 021000222  
Tax ID: 42-1551134



Quote RFQ.25.01402

Pos	Description	Qty.	Unit Price	Amount
10	DLC DL PRO 780 S Locking option key for DLC pro electronics - Enables DLC pro locking to stabilize up to 4 connected laser(s) - Fully digital locking integrated in DLC pro - Includes 2 PIDs for each connected laser to address e.g. piezo and current - Includes Lock-in signal generation for locking top-off-strings - Includes Click & Lock and ReLock intelligence - Can be controlled via touch UI, PC GUI and via remote control commands - PC GUI includes tool for optimization of lock parameters incl. automatic optimization of PID settings (Lock Wizard) - DLC pro LOCK is mandatory for TOPTICA lasers locked to DFC CORE + - When sold with a stock item or for upgrading an existing system, the license key will be sent only via e-mail (For delivery on a USB memory stick please indicate clearly on your order)	1	23,700.00	23,700.00
20	DLC PRO LOCK Saturation Spectroscopy Module for laser locking - Caesium, Rubidium & Potassium - Provides normalized pure Doppler free and Doppler broadened spectroscopy signals - Simplifies locking with PID and LIR - Gain, offset and cell temperature adjustable via trim potentiometer - Includes coil for magnetic field compensation and modulation - Fiber input for PM FCI/APC - Size 55 x 65 x 100 mm³ - Maximum bandwidth normally 1 MHz - Higher bandwidth (max. 5 MHz) version available upon request (no surcharge)	1	3,400.00	3,400.00
30	COSY FC-CS+RB+K	1	5,980.00	5,980.00

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Quote RFQ.25.01402

Pos	Description	Qty.	Unit Price	Amount
40	Transportation & Logistics TARIFF ARTICLE NOTICE: One or more items on this order is currently subject to tariffs imposed by US Customs. This line item is an estimated shared cost of those fees based on the current 10% baseline tariff effective April 5, 2025.	1	866.00	866.00
50	Tariff Surcharge	1	2,480.00	2,480.00
TOTAL USD				36,426.00

Payment Terms: Net Financial Info  
Guarantee: 12, 30254  
Validity of quotation: 30 DAYS

TOPTICA Terms and Conditions are applicable and can be sent upon request or found on our website, www.topica.com. Quotations do not include sales taxes unless otherwise stated. Customers located in Canada or Mexico are required to provide a shipping account at time of order.

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