

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: Dept of Education-Quantum Learning Lab

Project Director/PI: Brian Rashap

Grant number within Workday: GR300429

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: \$35,029.80

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: \$35,029.80
 - 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
14908 W. 8th Ave., Suite 700
Golden, CO 80401
USA

Quote No.	250521-7881	Created Date	5/21/2025
Lead Time	10-12 Weeks	Expiration Date	6/20/2025
Payment Terms	Net 15 days		
Shipping Method	FOB Factory		
Contact Name	Brian Rashap	Prepared By	Eduardo Oteiza
Phone	(505) 850-8352	Phone	(303) 295-6766 x68
Email	brashap@cnn.edu	Email	oteiza@vescent.com
Ship To Name	Central New Mexico Community College		

Product	Product Description	Sales Price	Quantity	Total Price
D2-005-120V	D2 Power Supply (North America / 120VAC)	\$1,482.00	1.00	\$1,482.00
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	\$5,581.00	1.00	\$5,581.00
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	\$8,425.00	1.00	\$8,425.00
D2-125-PL	D2-125 Reconfigurable Servo features -full PID 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	\$5,800.00	1.00	\$5,800.00
10% Academic Discount		-\$3,892.20	1.00	-\$3,892.20

Please note: Total Price \$35,029.80

Eduardo Oteiza, Ph.D.
Vice President of Sales



Vescent
14908 W. 8th Ave., Suite 700
Golden, CO 80401
USA

- | | |
|--|--|
| <p>1. Shipping is prepaid & add unless otherwise specified in writing.</p> <p>2. This sale is governed by the attached document Vescent T&Cs 250616.</p> <p>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.</p> | <p>Grand Total</p> <p>\$35,029.80</p> |
|--|--|

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 Rushlap
525 Buena Vista DR SE
Albuquerque, NM 87106
United States of America

TOPTICA Photonics, Inc.
1120 Pittsford Victor Rd
Pittsford, NY 14534
Phone No.: 585.657.8883
Fax No.: 877.277.9897
Email: sales@topica-usa.com
Internet: www.topica.com

Quote RFQ.25.01402

2026-08-04

Customer # :
Salesperson: Maddie McIvoy
Maddie.McIvoy@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	COBY FC-CS+RB+K COBY FC-CS+RB+K	1	5,980.00		5,980.00
TOTAL USD					\$3,080.00

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1120 Pittsford Victor Rd
Pittsford, NY 14534
United States of America

Phone No.: 585.657.8883
Fax No.: 877.277.9897
sales@topica-usa.com
www.topica.com

Bank of America
SWIFT-Code: BOFAUS33
Account: 483010396114
Routing No.: 021000022
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. phase and current - Includes Lock-in signal generation for locking top-of-fringe - 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	COBY 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 6, 2025.	1	866.00	866.00
50	Tariff Surcharge	1	2,480.00	2,480.00
TOTAL USD				\$6,426.00

Payment Terms: Net Financial Info
Guarantee: 12, 3000H
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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