

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 X

Grant/Project Title: Dept of Ed Quantum Learning Lab

Project Director/PI: Brian Rashap

Grant number within Workday: GR300448

Description of goods or services: Optical Table

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

The Quantum Learning Lab's neutral atom magneto-optical traps need to be setup on optical tables with the correct dampening to ensure the correct photonic alignment for trapping Rb-85 atoms.

Estimated dollar amount: \$11,500

Rationale for method of procurement: Describe how quotes were gathered

Direct quotes from three suppliers of Optical Tables.

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
 - Selected or Rejected: **SELECTED**
 - Amount of Quote: \$11,481
 - Justification: The ThorLabs table meets all f the technical needs and is a US-based company. The dampening needs are met at a lower price than Vendor 2.
- VENDOR #2: MKS/Newport
 - Selected or Rejected: Rejected
 - Amount of Quote: \$23,695
 - Justification: The MKS/Newport table meets all of the technical needs and is a US-based company. The Newport table had higher dampening than the Thorlabs table (these were the most comparable in the size range that we need), and the higher dampening isn't needed for our students and isn't justified by the cost difference.
- VENDOR #3:
 - Selected or Rejected: Rejected
 - Amount of Quote: \$10,597 (plus shipping)
 - Justification: Table is comparable in cost, but made in China by a Chinese-based company.

Vendor1: Thorlabs



43 Sparta Avenue • Newton, NJ 07860 • USA

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Quotation TQ0579558

Bill to

Central New Mexico Community College
 Accounts Payable
 P.O. Box 4586
 Albuquerque, NM 87196
 United States

Date 1/30/2025
 Expiration Date 3/30/2025
 Number TQ0579558-1
 Your Reference RASHAP_QuoteV2
 Sales Contact Jennifer Lawson
 Mode of Delivery FedEx Ground
 Terms of Delivery Free Carrier
 Payment Terms Net 30 days
 Invoice Account 287440

Ship to

Central New Mexico Community College
 Suite 3100
 101 Broadway NE
 Albuquerque, NM 87102
 United States
Attention: Brian Rashap
 Phone: 5058506352
 Email: brashap@cnm.edu

Item# / Description	Quantity	Unit Price	Disc.%	Disc. Price	Amount	Availability
1 T48J 4' x 8' x 12.2" Imperial Optical Table 4' x 8' x 12.2" Imperial Optical Table 255 x 132 x 59 cm @ 607 kg Weight: 465.00 Commodity code: 9031.90.9160 Country of Origin: GBR REACH: SVHC Free RoHS: Compliant	1.00	6,183.23	10.00	5,564.91	5,564.91	Available
2 PTH702 600mm Set of Heavy Duty Passive Legs 80 x 61 x 78 cm @ 88 KG Weight: 73.60 Commodity code: 9031.90.9160 Country of Origin: GBR REACH: SVHC > 0.1% Lead RoHS: Exempt - Annex III - 6(c)	1.00	2,431.83	10.00	2,188.65	2,188.65	Available
3 PTA281 Free Standing Overhead Shelf, 2.5m (8') Long Free Standing Overhead Shelf, 2.5m (8') Long 298 x 72 x 48 cm @ 231 kg Weight: 160.00 Commodity code: 9031.90.9160 Country of Origin: GBR	1.00	2,620.43	10.00	2,358.39	2,358.39	Available



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Item# / Description	Quantity	Unit Price	Disc.%	Disc. Price	Amount	Availability
4 HDPS24-US 24 Outlet, Surge-Protected Power Strip, US Plug 24 Outlet, Surge-Protected Power Strip, US Plug 230 x 10 x 10 cm @ 4 kg Weight: 3.59 Commodity code: 8536.30.8000 Country of Origin: GBR	1.00	146.12	10.00	131.51	131.51	Available
5 TFC125 Nexus Cable Tray - 1.25m Nexus Cable Tray - 1.25m 136 x 15 x 15 cm @ 2 kg Weight: 2.00 Commodity code: 9031.90.9160 Country of Origin: GBR REACH: SVHC Free RoHS: Compliant	1.00	162.75	10.00	146.48	146.48	Available

TForce Freight 5-day transit
Same Rate W/ W/Out liftgate
Ref#597421157

Lightweight items ship via FedEx Ground

Subtotal	10,389.94
Shipping & Handling	1,091.48
Sales Tax	0.00
Grand Total	11,481.42 USD

Vendor2: MKS/Newport



Quotation Q-133044

Central New Mexico Community College
CNM FUSE Makerspace 101 Broadway NE, Suite 3100
Albuquerque, NM 87102
USA

Contact: Dr. Brian Rashap
Phone: 5058506352
Email: brashap@cnm.edu

Quotation Number: Q-133044
Quote Valid From: 2/7/2025
Quote Expiration Date: 3/16/2025
Customer Number:
Customer Reference Number:

Please reference the quotation number when placing your order and send your order to:

Newport Corporation

1791 Deere Avenue
Irvine, CA 92606
USA

Phone: (800) 222-6440
Email: salesirv@mksinst.com

Note: Shipments via common carrier are to your loading dock only. A forklift may be required to unload shipment at your Receiving, or you may need to request delivery by a truck with lift gate.

Unless expressly stated in this quotation, offers for vibration control products including optical tables, isolation legs and workstations DO NOT include rigging and installation to their final use destination. Upon request, Newport can provide experienced references for these services. ** Please inspect your shipment and note any damage to the packaging prior to signing off the Bill of Lading. At delivery, please take the time to OPEN the crate and physically look at the product's condition inside the crate. Failure to do so can delay and in some cases cause rejection of any claims of damage to your shipment by the carrier**

#	Item / Description	Qty	Sales Price	Total Price
1	RS4000-48-12 RS4000 Series Optical Table, 4 ft x 8 ft x 12 in., 1/4-20 Holes Lead Time: 5 Weeks	1	\$11,037.00	\$11,037.00
2	S-2000A-423.5-TC Set of four S-2000 Series 23.5 in. tall standard isolator with automatic leveling and tie-bar option Lead Time: 5 Weeks	1	\$6,123.00	\$6,123.00
3	TB-48 Isolator Tie-Bar System, 4 x 8 ft imperial Tables Lead Time: 4 Weeks	1	\$899.00	\$899.00

Newport Corporation
Corporate Headquarters
1791 Deere Avenue
Irvine, CA 92606
USA

Federal I.D. 94-0849175
www.newport.com

Confidential Information

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Quotation
Q-133044

#	Item / Description	Qty	Sales Price	Total Price
4	OHS-8 OVERHEAD SHELF, FREE STANDING, 8FT Lead Time: 10 Weeks	1	\$2,474.00	\$2,474.00
5	OHS-PS-US Power Outlet Strip Kit, OHS, US Type B Lead Time: 2 Weeks	4	\$233.00	\$932.00

Net Value	\$21,465.00
Shipping & Handling	\$2,100.00
Tax/VAT	\$0.00
Total Amount	\$23,565.00

Terms and Conditions

Currency: U.S. Dollar

Payment Terms: Credit application can be sent to apply for terms

DAEIL Systems



Quote

Quote To

Name Brian Rashap
Company CNM
Phone
Email brashap@cnm.edu

Quote Information

Quote # 25020709
Date 2025-02-07
Expiration Date 2025-04-08
Issued By Dan Kim
Payment Terms T/T in advance
Lead Time 5 Weeks
Incoterms EXW
Currency USD

No	Description	QTY	U/PRICE	Subtotal	Discount	Total
1	PNEUMATIC OPTICAL TABLE MODEL: DVIO-I-2412M-300t-H Consisting of;	1	\$ 8,012	\$ 8,012	\$ -	\$ 8,012
1-1	OPTICAL TABLE TOP MODEL: DVIO-B-2412M-300t Dimensions: 2400 x 1200 mm Thickness: 300 mm Weight: 476 mm Core: Steel honeycomb core structure, 0.25 mm thick foil Core Cell Size: 2.9 cm ² Core Shear Modulus: 19339 kg/cm ² (275,000 psi) Surface Flatness: ±0.03 mm Top Skin: 4.0 mm thick 430 series ferromagnetic stainless steel Bottom Skin: 4.5 mm thick steel Side Walls: 2.0 mm thick steel plate with highly damped composite wood Mounting Holes: M6 - 1.0 Mounting Hole Grid: 25 mm grid Mounting Hole Borders: 37.5 mm Mounting Holes Sealing: 21 mm deep clean cylindrical cap Damping: Broadband damping Performance Specifications Natural Frequency: 200 Hz Compliance: 85 n m/N Natural frequency and compliance are measured on 2000 x 1200 x 300 mm *Natural frequency and compliance vary with dimensions of optical table tops.	1				
1-2	PNEUMATIC SUPPORT (Tie-Bar Type) MODEL: DVIO-S-2412t-H Design Features Vibration Isolation System: Pneumatic Isolation Support Height: TBA Frame Material: Steel Frame Structure: Welded Joints Number of Isolators: 4 EA Leveling Valves: 3 EA Leveling Foot: 4 EA Casters: 4 EA Performance Specifications Resonant Frequency: Vertical/Horizontal = 1.2 Hz - 3.0 Hz Vibration Isolation at 10 Hz: Vertical/Horizontal: 80% - 99 % Maximum Load Capacity: 1000 kg Leveling Repeatability of ±1.0 mm Height Adjustment Range of ±25 mm	1				
2	OVERHEAD SHELF SYSTEM MODEL: DOTS-8 Inner dimensions: 2500 x 550 x 1828 mm Outer dimensions: 2634 x 661 x 1908 mm Hanging shelves: (550 x 550 x 6mm) 3pcs Electrical sockets: 110V 8 pcs, 220V 8 pcs Circuit breaker: 30A Rated voltage: 110V/220V Rated residual current: 30mA Rated non-operating current: 15mA Rated breaking current: 1.5kA	1	\$ 2,585	\$ 2,585	\$ -	\$ 2,585
Total					\$	10,597

Note

* Five (5) Year Limited Warranty from the original shipment date
* Country of Origin : South Korea / H.S CODE : 9031.80-9099