

## 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:** GR300429

**Description of goods or services:** Lab kit to teach Optical Microscopy

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

Photonics is a big portion of the Quantum workforce needs. Developing a lab module around optical microscopy is a critical need area within the photonics curriculum.

**Estimated dollar amount:** \$10,240

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

Web search of optical component suppliers.

**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: \$10,239.26
  - Justification: The cost of all three quotes is in the same ballpark. The ThorLabs educational kit comes with a full set of base lessons that will greatly reduce the work needed at CNM to develop the lesson plans and assignments for the Quantum Technician students. This kit includes a full breadth of equipment and potential lessons, including the important spectroscopy equipment (which would have to be purchased separately to supplement any of the below kits). This kit is fully US make (Newton NJ).
- VENDOR #2: MKS
  - Selected or Rejected: Rejected
  - Amount of Quote: \$10,093 (plus \$2695 for add on spectrometer)
  - Justification: The MKS education kit is inclusive of lesson plans, but not as extensive as the ThorLabs kit. There are additional equipment purchases needed to fill out the scope of lessons planned for these modules in the Quantum Technician Program. Likely made in US, but not confirmed.

## VENDOR #3

- Selected or Rejected: Rejected
- Amount of Quote: \$9,900 (plus \$2695 for add on spectrometer)
- Justification: While slightly less expensive than the selected system, the Edmunds kit does not come with a suite of base lesson and would require extensive work by the CNM/CNMI faculty to develop the collateral content. Also, would require the purchase of an additional spectroscopy system from a different vendor. Likely made in US, but not confirmed.

## Thorlabs Optical Microscopy Education Kit

### EDU-OMC1 - Optical Microscopy Course Educational Kit, Imperial



Part Number: [EDU-OMC1 - Ask a technical question](#)  
 Package Weight: 63.93 lbs / Each  
 Available: [Request Lead Time](#)  
 RoHS: [RoHS Exempt](#)  
 Price: **\$11,221.63**  
 Add To Cart: Qty:  [Add To Cart](#)  
 Release Date: May 24, 2019

**Drawings and Documents:**

|                             |                             |
|-----------------------------|-----------------------------|
| Manual                      | <a href="#">Download</a>    |
| Lab Notes                   | <a href="#">Download</a>    |
| Course Notes                | <a href="#">Download</a>    |
| Instructor Notes (Abridged) | <a href="#">Download</a>    |
| RoHS                        | <a href="#">RoHS Exempt</a> |
| REACH                       | <a href="#">SVHC</a>        |

**Download all support documents**

[Download](#)

**Building a Setup?**

One-Click download of multiple documents available from the shopping cart. No purchase necessary.

**Warranty (Subject to our General Terms and Conditions)**

Component-specific warranties apply. The use, fit, or function of the assembled products is not covered by the limited warranty.

**THORLABS** Inc.  
43 Sparta Avenue • Newton, NJ 07860 • USA

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### Quotation TQ0580939

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

Date: 2/7/2025  
 Expiration Date: 4/8/2025  
 Number: TQ0580939-1  
 Your Reference: QUOTE/RASHAP  
 Sales Contact: Tracy Yetter  
 Mode of Delivery: FedEx Ground  
 Terms of Delivery: Free Carrier  
 Payment Terms: Net 30 days  
 Invoice Account: 287440

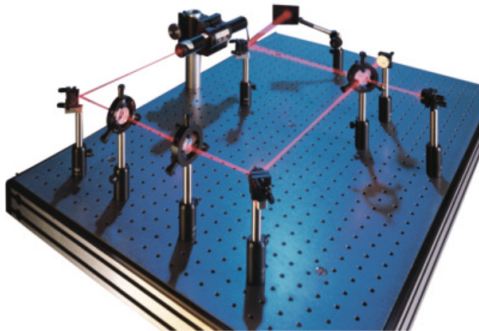
**Ship to**  
 Central New Mexico Comm. College  
 Suite 3100  
 101 Broadway NE  
 Albuquerque, NM 87102  
 United States  
 Attention: Brian Rashap  
 Phone: 5058506352  
 Email: brashap@cnm.edu

| Item# / Description   | Quantity | Unit Price | Disc. % | Disc. Price | Amount    | Availability |
|---|----------|------------|---------|-------------|-----------|--------------|
| 1 <b>EDU-OMC1</b><br>Optical Microscopy Course, Imperial Kit<br>Optical Microscopy Course, Imperial Kit<br>Unit Net Weight: 27.00<br>Commodity code: 9023.00.0000<br>Country of Origin: USA<br>REACH: SVHC > 0.1% Lead<br>RoHS: Exempt - Annex III - 6(a)<br>RoHS: Exempt - Annex III - 6(c)<br>RoHS: Exempt - Annex III - 7(c)-I | 1.00     | 11,221.63  | 10.00   | 10,099.47   | 10,099.47 | 4Wks         |
| 2 <b>RC1</b><br>Rail Carrier, Counterbored Hole 1"x 1"<br>0811, Rail Carrier, Counterbored Hole 1"x 1"<br>Unit Net Weight: 0.03<br>Commodity code: 9033.00.9000<br>Country of Origin: USA<br>REACH: SVHC Free<br>RoHS: Compliant  | 2.00     | 29.57      | 10.00   | 26.61       | 53.22     | Available    |

**Subtotal** 10,152.69  
**Shipping & Handling** 86.57  
**Sales Tax** 0.00  
**Grand Total** **10,239.26** **USD**

# MKS Educational Kit

Products / Opto-Mechanics / Lab Supplies / Laboratory Educational Kits / Projects in Optics / OEK-STD



## Educational Kit, Projects in Optics, Includes Laser, Imperial

MODEL: OEK-STD

\$10,093

In Stock

1 Add to Cart

☐ Compare Add to List



### Product Series Overview

[Projects in Optics](#)

The OEK-STD Projects in Optics Educational Kit is a self-paced teaching and learning tool for courses in the fundamentals of optics. Composed of ten modules, each project defines and illustrates an essential concept in optics, from theory to hands-on experiment. Developed by the Technical Staff of Newport with the assistance

# Edmunds Lab Starter Kit

[All Products](#) / [Lab and Production](#) / [Lab Kits](#)

Family ID #3788

## Lab Starter Kits



Lab Starter Kit (Not all products shown)

- Ideal Starting Point for New Labs
- 255 Individual Parts Included
- Optics, Optomechanics, Cleaning, Tools, and More
- English and Metric Based Mounting Versions Available

### Common Specifications

Contents of Kit:

See Technical Information tab for a detailed list of items included in the kit

Products Product Details Technical Information

## PRODUCTS

[Export Specifications](#)

| Title                             | Compare                  | Stock Number | Price                                       | Buy |
|-----------------------------------|--------------------------|--------------|---|-----|
| Lab Starter Kit, Metric Mounting  | <input type="checkbox"/> | #37-090      | \$9,990.00<br><a href="#">Request Quote</a> | 1   |
| Lab Starter Kit, English Mounting | <input type="checkbox"/> | #34-560      | \$9,990.00<br><a href="#">Request Quote</a> | 1   |

# Edmunds Spectrometer add on to Vendor 2 and 3 (\$2695)

[All Products](#) / [Testing and Detection](#) / [Spectroscopy](#)

Family ID: #3643   

## Laboratory Spectrometer




- Cost-Effective Performance from 380 – 750nm
- Lightweight, Compact Design
- USB Cable and Software Included
- [Spectrometer Accessories](#) Also Available

**Products** Product Details Resources

### PRODUCTS

[Export Specifications](#)

|                      | Wavelength Range (nm) <small>↓</small> | Spectral Resolution (nm) <small>↓</small> | Spectrograph f/# <small>↓</small> | Dimensions (mm) <small>↓</small> | Compare                  | Stock Number <small>↓</small> | Price <small>↓</small>   |            | Buy   |
|----------------------|--|---|-----------------------------------|----------------------------------|--------------------------|-------------------------------|--|------------|---|
| <a href="#">MORE</a> | 380 - 750                              | <2.5                                      | f/3.6                             | 102 x 67 x 34                    | <input type="checkbox"/> | #88-406                       | <b>\$2,695.00</b><br>Qty 2+ \$2,560.00 <a href="#">Request Quote</a> | ✓ In Stock | 1  |