

CA3 - Apr. 21, 2017

Item # CA3 was discontinued on Apr. 21, 2017. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

OPTIC CLEANING SUPPLIES

- ▶ Wipes, Tissues, & Dusters
- ▶ Wash & Dropper and Dispenser Bottles



BD8
Solvent Dispenser



CTA10
Cotton-Tipped
Applicators



MC-5
Lens Cleaning Tissues



CA4-US
Duster



B2939
Wash & Dropper Bottle Kit

OVERVIEW

Thorlabs offers the following line of lens care supplies to clean and maintain your optical components:

- **Lens Tissues & Wipes:** Including Pure Cotton Pads, Booklets of Lens Tissue, Kimwipe™ Boxes, and Cotton-Tipped Applicators
- **Dusters:** Cans of Compressed Propellant
- **Wash & Dropper Bottles Kit:** Four Wash Bottles and Three Dropper Bottles All Clearly Marked for Common Laboratory Solvents (Solvents Not Included)
- **One-Touch Pump Dispenser:** Minimizes Solvent Evaporation When Cleaning Optics



SMART PACK

Smart Pack

- Reduce Weight of Packaging Materials
- Increase Usage of Recyclable Packing Materials
- Improve Packing Integrity
- Decrease Shipping Costs



Click to Enlarge
B2939
Packaging

Thorlabs' Smart Pack Initiative is aimed at waste minimization while

CO₂-Equivalent

still maintaining adequate protection for our products. By eliminating any unnecessary packaging, implementing packaging design changes, and utilizing eco-friendly packaging materials for our customers when possible, this initiative seeks to improve the environmental impact of our product packaging. Products listed above are now shipped in re-engineered packaging that minimizes the weight and the use of non-recyclable materials.^b As we move through our product line, we will indicate re-engineered packages with our Smart Pack logo.

Item #	% Weight Reduction	Reduction ^a
B2939	23.15%	70.86 kg

- Travel-based emissions reduction calculations are estimated based on the total weight reduction of packaging materials used for all of 2013's product sales, traveling 1,000 miles on an airplane, to provide general understanding of the impact of packaging material reduction. Calculations were made using the EPA's shipping emissions values for different modes of transport.
- Some Smart Pack products may show a negative weight reduction percentage as the substitution of greener packaging materials, such as the Greenwrap, at times slightly increases the weight of the product packaging.

Premium Optical Cleaning Pads

Handi-Pads (CP-100)

- ▶ Pure Cotton, Non-Woven, Low Lint, Absorbent
- ▶ 100 Pads per Pack
- ▶ Nominal Single Sheet Dimension: 4" x 8" (100 mm x 200 mm)



The Handi-Pads are plush non-woven cotton pads. Each 4" x 8" pad is folded in half (4" x 4") prior to packaging so that a pure, uncontaminated pad surface is available even if the package is opened in a non-cleanroom environment. The Handi-Pads are free from contaminants and adhesives, which make them ideal for use with optics cleaning solvents. The large plush pad allows the user to make a single continuous wipe across the entire surface of the optic being cleaned, even if the surface is curved such as with a lens. The pad can also be used to wrap optics before placing them in a storage container.

Part Number	Description	Price	Availability
CP-100	Webril Handi-Pads 4" x 8" (4" x 4" Folded), 100 Wipes per Package	\$11.70	Today

Premium Optical Cleaning Tissues

Lens Tissues (MC-5)

- ▶ Extremely Soft, Premium Grade Sheets (25 Sheets per Booklet, 5 Booklets per Pack)
- ▶ Single Sheet Dimension: 4.9" x 2.9" (124 x 73 mm)
- ▶ Meets U.S. Government Lens Tissue Specification A-A-50177B

Bulk Lens Tissues (MC-50E)

- ▶ Extremely Soft, Premium Grade Sheets (25 Sheets per Booklet, 50 Booklets per Box)
- ▶ Recloseable Box for Easy Storage
- ▶ Meets U.S. Government Lens Tissue Specification A-A-50177B

Lens tissues are 4.9" x 2.9" (124 x 73 mm) organic fiber sheets free from contaminants and adhesives, which makes them ideal for cleaning high-grade optics with or without the use of optic-cleaning solvents. Lens tissue will not leave lint or fibers on the optic and can be used to wrap an optic before placing it in a storage container.

Part Number	Description	Price	Availability
MC-5	Lens Tissues, 25 Sheets per Booklet, 5 Booklets	\$10.00	Today
MC-50E	Lens Tissues, 25 Sheets per Booklet, 50 Booklets in a Closeable Box	\$79.75	Today
FCP	Forceps, Solid Stainless Steel	\$17.10	Today
FCPA	Customer Inspired!Angled Forceps, Solid Stainless Steel	\$17.10	Today

Kimwipes™ and Cotton-Tipped Applicators

Kimwipes™ (KW32)

- ▶ 4.4" x 8.4" (11.2 cm x 21.3 cm), Durable, Absorbent, Extra Low Lint Sheets
- ▶ Ideal for Cleaning Connectors Between Polishing Steps
- ▶ 280 Kimwipes per Box, 12 Boxes per Case (Sorry, No Partial Cases)

Cotton-Tipped Applicators (CTA10)

- ▶ 6" Wood Stick Disposable Applicators with Cotton Tips (100 per Pack)

Using these cotton-tipped applicators with Acetone is not recommended.

Part Number	Description	Price	Availability
KW32	Kimwipes™, 280 Kimwipes™ per Box, 12 Boxes Per Case	\$45.50	Today
CTA10	Cotton-Tipped Applicators	\$4.29	Today

Dusters with Low Global Warming Potential

- ▶ HFO-1234ze Propellant
- ▶ Integrated Plastic Nozzle
- ▶ Low Global Warming Potential (GWP) of 6
- ▶ Zero Ozone Depletion Potential

Thorlabs offers the CA4 Eco-Friendly Air Duster. This product evaporates HFO-1234ze to create gusts at 11.4 m/s. This general use dusting can is ideal for cleaning and maintaining optical and electrical equipment. Due to different nation's regulations, we offer two versions of this product: the CA4-US is compliant in the United States and Canada, while the CA4-EU is compliant in the European Union. Both are chemically identical, but the packaging differs. Be sure to check with your government's regulations before ordering either product. The labels for the CA4-US can be downloaded by clicking [here](#) and the CA4-EU by clicking [here](#). This duster's propellant, HFO-1234ze (1,3,3,3-Tetrafluoropropene), has a GWP of 6.

Global Warming Potential (GWP)

Global Warming Potential according to the United States Environmental Protection Agency is a measure of how much energy the emissions of 1 ton of a gas will absorb over a given time, relative to the emissions of 1 ton of Carbon Dioxide (CO₂). CO₂ is defined as having a GWP of 1. GWP is usually estimated for a 100-year time horizon, but other methods may be used. The higher the GWP of a gas, the more energy it can trap in Earth's atmosphere, correlating to a higher average global temperature. For a point of comparison, Methane (CH₄) is listed as having a GWP of between 21 and 25.

Shipping Concerns

Please note that these items classified as a dangerous good in some countries. Depending on the delivery location, this item may need to be shipped separately from the rest of your order at an additional charge. These items are stocked within the USA and Germany. Please contact our sales department if there are questions or concerns when placing an order for dusters.

The attached MSDS, found by clicking the () icon, is given in over twenty languages.

Part Number	Description	Price	Availability
CA4-US	NEW! Customer Inspired!United States and Canada Compliant Duster w/ Integrated Nozzle	\$21.50	Today
CA4-EU	NEW! Customer Inspired!European Union Compliant Duster w/ Integrated Nozzle	\$21.50	Today

Duster



- ▶ 10 oz Can of Tetrafluoroethane (Ozone Safe) with Integrated Plastic Nozzle

Please note that canned air is classified as a dangerous good in some countries. Depending on the delivery location, this item may need to be shipped separately from the rest of your order at an additional charge. Canned air is stocked within the USA and Germany. Please contact our sales department if there are questions

or concerns when placing an order for canned air.

Please click [here](#) to view the German version of the Material Safety Data Sheet (MSDS) associated with the CA3.

Part Number	Description	Price	Availability
CA3	Duster w/ Integrated Nozzle	\$12.30	Today

Wash and Dropper Bottles

- ▶ Four 500 mL Wash Bottles Labeled for Acetone, Methanol, Distilled Water, and Isopropanol (Solvents Not Included)
- ▶ Three 30 mL Dropper Bottles Labeled for Acetone, Methanol, and Propanol (Solvents Not Included)

These plastic wash bottles are ideal for the storage and dispensing of common laboratory cleaning solvents. The small dropper bottles are made from non-reactive plastic and recommended for dispensing cleaning fluids for laser grade optics. Each bottle is clearly labeled and the large bottles are color coded to help prevent misidentification of the solvents.

Part Number	Description	Price	Availability
B2939	Kit: 4 Wash Bottles and 3 Dropper Bottles	\$64.75	Today

Solvent Dispenser Bottle

- ▶ One-Handed Operation
- ▶ Holds Up to 8 oz (236.59 mL) of Solvent

This one-touch pump dispenser bottle is great for minimizing evaporation of solvents when cleaning optics with a swab or brush. Simply flip up the cap and press down on the spring-loaded top to fill the shallow reservoir with solvent. The bottle has a capacity of 8 oz and is suitable for most solvents, including acetone, gasoline, propanol, MEK, toluene, turpentine, and water. Eighteen pre-labeled and two blank self-adhesive labels are included.

Part Number	Description	Price	Availability
BD8	8 oz One-Touch Pump Dispenser	\$20.20	Today