



**LEEDS**

**Leeds  
Forensic  
Systems**

A Subsidiary of Leeds Precision Instruments, Inc.

**Leeds Precision Instruments, Inc**  
17300 Medina Road, Suite 600  
Minneapolis, MN 55447 USA  
1+ (763) 546-8575 Fax# 1+ (763) 546-4369

# Quotation

prepared for

**Columbus Police Crime Lab**  
**Attention: Mark Hardy**  
**520 King Avenue, 2<sup>nd</sup> Floor**  
**Columbus, OH 43201**  
**mhardy@columbuspolice.org/614-645-4911**

Project Description:  
Leeds LCF3 Comparison Microscope

Quote Number: 74248, issued by Leeds Precision Instruments, Inc.

This quote is valid from  
October 22, 2013 to December 31, 2013

F.O.B: Destination, Prepaid and Allowed

Terms: Net-30 (With Open Account)

Delivery: Will ship within 60 days of receipt of a Purchase Order

Respectfully submitted for Leeds Precision Instruments, Inc. by:  
Kevin Boulay, President

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Quote #74248

10/22/2013

A Subsidiary of **LEEDS**  
Precision Instruments, Inc.  
17300 Medina Rd., Suite 600, Minneapolis, MN 55447 USA  
Phone: (763) 548-8876 Fax: (763) 548-4389

TO:

COLUMBUS POLICE CRIME LAB  
ATTENTION: MARK HARDY  
520 KING AVENUE, 2ND FLOOR  
COLUMBUS, OH 43201  
mhardy@columbuspolice.org/614-645-4911

Payment Terms	Shipping Terms	Quote Valid Until
Net 30	VENDOR DOCK	12/31/2013

Item #	Qty	U/M	Description	Price	Ext. Price
LCF3-BRIDGE	1	ea	PROJECT DESCRIPTION: LEEDS LCF3 COMPARISON MICROSCOPE Comparison Bridge designed with high quality optics and provides for a superior color balanced system. This unit has an upright unreversed image with a large 22mm field of view. Images can be viewed as 100% right, 100% left, slit or superimposed. The split-image dividing line is adjustable from no line to your desired line width. The superimposed image can be any strip width to full superimpose. Swept field knife edge.	14,643.00	14,643.00T
LCF-3-U137	1	ea	U-TBI-3-CLI; Tilting Binocular Observation Tube, continuously variable eyepiece inclination from 5° to 35°; FN 22 capable; Siedentopf-type dust-free design. Accepts 30mm diameter WH series eyepieces. High transmission coated prisms; antifungal treatment. Graduated interpupillary distance adjustment 50mm-76mm; right eyepiece tube with +/- 5 diopter control.	1,562.00	1,562.00T
LCF-U-IT134EC	1	ea	U-TRU; Side port adapter for camera attachment. Two position light path selector: 100% observation/0% camera, or 20% observation/80% camera. Includes FN 22 tube lens and dovetail port to accept U-SPT phototube (cat# 3-U801) or U-TV series CCD camera adapters. Mountable with port to the right, rear or left of the user with binocular observation tube. Mountable to the rear with trinocular observation tube.	839.00	839.00T
LCF-2-U1007	1	ea	WHN10X-1-3; Widefield 10X eyepiece for BX/IX with reticle shelf. FN 22, high eyepoint. (replaces LCF-2-U1006)	205.00	205.00T
LCF-2-U1026	1	ea	CROSSWHN10X-1-7; Widefield 10X Crosshair Eyepiece, high eyepoint, FN 22; 30mm diameter, focusable top lens with crosshair reticle and alignment pin ± 5 Diopter Adjustment Vernier printed on eyepiece.	326.00	326.00T

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Sales Tax (0.0%)

Total (USD)

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Item #	Qty	U/M	Description	Price	Ext. Price
LCF-2-U1007	1	ea	WHN10X-1-3; Widefield 10X eyepiece for BX/IX with reticle shelf. FN 22, high eyepoint. (replaces LCF-2-U1006)	205.00	205.00T
LCF-EPH	1	ea	Third Eyepiece Holder, attaches to LCF column	95.00	95.00T
LCF-1600-1X	2	ea	SDFPLAPO1XPF; 1X Plan Apochromat Objective. WD 60mm, NA 0.15, Super Depth of Focus. This objective is parfocal with the .5X, 1.6X and 2X objectives carrying the "PF" designation. Total magnification with WHN10 H 6x to 102x.	1,727.00	3,454.00T
LCF-1600	2	ea	Macrozoom optical body with 16:1 zoom ratio. Magnification range of 6x-102x with 1x objective and 10x eyepieces. Built-in aperture diaphragm, fourteen magnification clicks stops, zoom control on both sides of body. Outside zoom knob has magnification indicator on knob for specified objective and 10x eyepieces. Will accept a dual nosepiece for multiple objectives.	4,675.00	9,350.00T
LCF3-STATION	1	ea	36" Ergonomic shaped table top with object roll-off protection edge. Table is constructed from billet aluminum and is laminate covered. Station includes optical mounts bridge on motorized column and accessory support column. The accessory support column can be positioned over 18" right to left distance. The universal power supply comes with control pendant and column connections for fluorescent and LED illumination. Station sits on two large 4"x 4" adjustable height aluminum legs with quiet motorized lead screw drive. Providing a table height from 26" to 38". Leg cross bar can be raised or lowered as needed for foot rest.	10,155.00	10,155.00T
LCF-STAGE	2	ea	Horizontal coaxial control X-Y stage, 180mm x 135mm platform with 50mm X-axis and 77mm Y-axis movement. Uniform ball-bearing motion	1,361.00	2,722.00T
LCF-FOPOS	2	ea	Focus mount positioner; 4" X-axis range to change the side to side position of the universal bullet holder.	273.00	546.00T

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Item #	Qty	U/M	Description	Price	Ext. Price
LCF3-FFOMT	2	ea	Stage Mount w/coarse & fine focus	1,745.00	3,490.00T
LCF3-SCALE	1	ea	LCD Measuring Scale, inch/metric, .0005"/0.1mm resolution with bracket kit. Includes ISO 17025 Accredited/NIST Traceable Certification of Scale Accuracy.	555.00	555.00T
LCF-UVLHLR	2	ea	Universal Manipulating Bullet/Shell Holder; with 90 degree vertical to horizontal positioning range. 360 degree rotating chuck with as small as .030" wire to as large as a 10 gauge shotgun shell. This holder allows a shell to be gripped by its inside or outside diameter. It can also grip a shell by the extraction groove. This unique holder replaces many special holders, eliminating the additional time required for change over. Includes a mini platter for sticky wax mounting.	3,446.00	6,892.00T
LCF-PINMTS	1	ea	Set of pin mount pairs, .094", .125", .190", .250"	296.00	296.00T
LCF-PMH	1	ea	Pin Mount Holder Tray, Attach to LCF-EPH	121.00	121.00T
LCF-RFLDOC	2	ea	Document Holder for Reflected Light Only, Includes Stage Clips.	151.00	302.00T
LCF-BPVTL	2	ea	Ball Pivot Positioner, Large	462.00	924.00T
LCF-BPMVISE	2	ea	Ball Pivot Vise	578.00	1,156.00T
LCF3-FLRKIT	1	ea	New design florescent light pairs. 13W - 5000K -900 lumens - energy efficient - "Double U-Tube" quad. design lamp. Incorporated into a holder with rotating hood, has a life of 10,000 hours.	735.00	735.00T
LCF3-13FLB	2	ea	13 W-D/E-5000K Fluorescent Quad Lamp	11.00	22.00T
LCF-LEDFO	1	ea	Fanless 5700K Led cube illuminator light source/fiber optic light guide	895.00	895.00T
LCF-A08520	1	ea	Dual 18" gooseneck light guide with 30" flexible fiber bundle. Mounts directly onto microscope body so that illuminator unit can be located at some distance from the microscope stand.	208.00	208.00T
LCF3-LEDFO-MT	1	ea	Vertical column mount for LCF-LEDFO on LCF3	60.00	60.00T
LCF-A08080	2	ea	Focusing Spot Lens	42.00	84.00T

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Item #	Qty	U/M	Description	Price	Ext. Price
LCF-COVER	1	ea	Firearms Microscope Systems Cover	0.00	0.00T
LCF-A08080	2	ea	Focusing Spot Lens	42.00	84.00T
LCF-MAGMT	1	ea	Magnetic Shot Gun Shell Holder for Firearms Systems (Pair)	90.00	90.00T
LCF-UVWP	2	ea	Wax platen with ball pivot to mount in universal holder	246.00	492.00T
LCF3-TBL-EXTKIT	1	ea	Newly designed 12" extension wing, with Leeds classic object roll-off protection edge, matches the contour of the ergonomic shaped table. When installed, the addition of one extension wing elongates table to a 48" wide work surface. Wing may be mounted to either left side, right side or two wings may be mounted to both sides of table create a 60" wide work surface. Wing includes reversible soft surface neoprene pad.	970.00	970.00T
LCF3-SHELF16-PST	1	ea	16" Shelf and swivel arm, w/post mount for LCF3 Station	710.00	710.00T
LCF3-POST	1	ea	Accessory Post Assembly for LCF3 Station	370.00	370.00T
LCF-STL	1	ea	Stool w/pneumatic adj.(25' - 35")	357.00	357.00T
MS-LCF-ISO	1	ea	ISO/IEC 17025 accredited calibration, providing certificates of calibration for magnification matching and all measurement fuctions	0.00	0.00T
			Total		62,915.00
LCF-U-V1127	1	ea	OPTIONAL DIGITAL CAMERA U-TVIX-2-2; 1X CCD Camera Adapter. No lens elements for direct image projection. Accepts camera mounts U-CMAD, U-BMAD, U-SMAD, or U-TMAD.	75.00	75.00T
LCF-U-V3127	1	ea	U-CMAD3-2; C-Mount Adapter, narrow design. Attaches C-mount camera to adapters U-TVIX, U-TVZ, U-PMTV and U-PMTVIX	154.00	154.00T

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Item #	Qty	U/M	Description	Price	Ext. Price
IN1420	1	ea	Insight 4 mega pixel color mosaic firewire c mount camera, or equivalent. Features: 40MHz live mode (dual channel 20MHz) - High speed imaging for real time viewing; 2048x2048 (4.0 mega sample) image capture - Resolves fine detail; Programmable gain (1-20x) - Facilitates live mode previews of low light specimens; Large 7.4um x 7.4um with 14 bit x 20 MHz capture provide increased sensitivity, contrast, and dynamic range; 15.2mm x 15.2mm imaging area - Increases the field of view to closely match the field of view in the microscope eyepiece; Interline progressive scan CCD - Electronic shuttering eliminates mechanical shutter shortcomings related to speed, wear, and vibration; FireWire Interface - Allows for effortless installation, hot-swapping, and laptop connectivity for greater ease of use; Spot Software - Provides essential tools for modern microscopy and is widely supported by 3rd party software companies for high end applications as well as providing DLL with SDK for OEM driver development. Includes 6 pin to 6 pin cable (IEEE1394)	6,599.00	6,599.00T
FWDT	1	ea	IEEE 1394a to PCI Card Interface (desktop)	97.00	97.00T

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PC2MT-1308-20	1	ea	OptiPlex 7010 Desktop w/ Standard Power Supply, Operating System: Windows 7 Ultimate, No Media, 64-bit English; Processor 3rd Gen Intel® Core™ i7-3770 (Quad Core, 3.40GHz, 8MB w/HD4000 Graphics; Memory: 4GB, NON-ECC, 1600MHZ DDR3, 1DIMM; Keyboard: Dell USB Entry Keyboard w/detachable Palm rest, English; Graphics Card: AMD RADEON™ HD 7470 1GB DDR3 DP/DVI w/o Adapters, LP; BOOT HARD DRIVES: 1TB 3.5" SATA, 6Gb/s with 32MD DataBurst Cache™; 1394 Controller Card (PCI): 1394 FW Controller Card Low Profile; Mouse: Dell MS111 USB Optical Mouse, Systems Management Mode: Intel® Standard Manageability; Removable Media Storage Device: 16X DVD+/-RW SATA; Thermal; Heat Sink, Performance, Desk Top; Speakers: Internal Dell Business Audio Speaker; Power Supply: OptiPlex 7010 Desktop w/Standard Power Supply; Documentation: OptiPlex 7010 Documentation English; Hardware Support Services: 3 Year ProSupport Service with 3 Year NBD Onsite Service after Remote Diagnosis; Monitor: Dell Professional P2012H 20in HAS Wide Monitor, VGA/DVI	1,438.00	1,438.00T
LCF-FPARM	1	ea	Flat panel arm for LCF system	279.00	279.00T
R2000	1	ea	Epson stylus photo R200 inkjet printer	599.00	599.00T
			Total		9,241.00
			Total for Comparison Microscope and Digital Camera		72,156.00
C-Discount 8			8% Customer Discount	-8.00%	-5,772.48

Respectfully Submitted by: Kevin Boulay, President

Sales Tax (0.0%) \$0.00

**Total (USD) \$66,383.52**