DATE: September 7, 2016
TO: Computation Advisory Committee
FROM: Jennifer Pavlove, Chief Fiscal Officer
RE: Fiscal Year 2016 Computation Advisory Committee Report

On behalf of the College of Engineering, I am sending you this requested summary report of all student technology fee income, expenditures and carryover funds.

A. Summary Page:
A summary page is attached to this email. It provides an overview of all College of Engineering technology fees including: carry forward from FY15 ($1.4M); funds received ($3.1M); expended ($3.7M); and carry forward to FY17 ($0.8M).

B. Carryover Totals:
The June 30, 2016 carry forward cash balance in the College’s technology fee accounts was $800,904 as compared to $1,425,564 one year ago. These funds are available to our department chairs to spend in support of student learning. The College’s approach to the management of financial resources involves both local and central decision making to meet the needs of the student population. Department chairs have the flexibility to use as needed. They formulate plans and propose expenditures as they make decisions throughout the year.

C. Current Year Narrative:
The College had allocated technology fee revenue proportionally to the academic departments based on the enrollment of the students and the amount of instruction taught. This has been the practice beginning in FY11, and provides an incentive for the recruitment, retention, and academic success of students.

The FY16 student technology fee income allocated to the college was estimated to be $3.1 million. A portion “off the top” was used to support central computing that benefits the entire college. The remaining was allocated to the academic departments. The intention and philosophy here is to reduce administrative overhead and improve the ability of departments to allocate resources under local control for the benefit of student learning. Actual revenue approximated the estimate. The majority of expenses paid from all of these funds were in the ISU object code category for “supplies”. The attached summary page shows the allocations made to each department and project including college-wide operational expenses, computer lab upgrades, and a software portfolio.

The estimated Fall 2016 enrollment is anticipated to exceed 9,000 engineering students. These student technology fees are used to reach the college’s highest priority of improving the quality of the student learning experience including improving the quality and quantity of space needed to achieve this aim.
D. Expenses requiring CAC Approval:
Attached is a summary of the pre-approved unusual expenses. In addition to the CAC annual audit process, we have reviewed e-Data and believe this complies with the CAC reporting guidelines.

Thank you.

CC: S Rajala, S Sundararajan, A Somani, R Cox, M Wickham, E Smuck
CAC Allocations and Expenditure Summary
Thru Fiscal Period Jun 2016

<table>
<thead>
<tr>
<th>Allocation and Carryover</th>
<th>Expenditures</th>
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<td>FY2016 Allocations</td>
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<td>Expenditures/Transfers Out - FY2016</td>
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<td>FY2015 Carryover</td>
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<td>Total Expenditures (real and projected)</td>
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<th>Receipts</th>
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<th>Current Free Balance</th>
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<td>EFTF SOFTWARE PORTFOLIO</td>
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<td>144,887</td>
<td>176,885</td>
<td>624</td>
<td>322,113</td>
<td>1,583,800</td>
<td>108,119</td>
<td>32,768</td>
<td>696,708</td>
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494,127 144,887 176,885 624 322,113 1,583,800 108,119 32,768 696,708
# CAC Requests for Advance Approval of Unusual Expenses

## Thru Fiscal Period Jun 2016

<table>
<thead>
<tr>
<th>Resource Unit</th>
<th>Dept &amp; Location</th>
<th>Description</th>
<th>Total Project Cost</th>
<th>CAC Funds Requested</th>
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<tr>
<td>Engineering</td>
<td>CBE; Sweeney 2123</td>
<td>Collaborative student workspace featuring 5 group tables with computer monitors and laptop hookup cables. 20 chairs to go around tables. Paint, carpet cleaning, and misc charges to renovate the space.</td>
<td>13,000.00</td>
<td>13,000.00</td>
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<tr>
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<td>CBE; Sweeney 1053 and 2053</td>
<td>2 experimental process units to be used by students in our junior and senior required lab courses.</td>
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<td>76,326.00</td>
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<td></td>
<td>CBE; Sweeney 2058</td>
<td>Gass Chromatograph / Mass Spectrometer to support undergrad teaching labs</td>
<td>76,000.00</td>
<td>76,000.00</td>
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<tr>
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<td>ME; Black 0069 and 0083</td>
<td>7 storage cabinets to hold components and other supplies for hands on learning activities in lab and 2 computer desks</td>
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<td>4,184.05</td>
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<td>ME; Black 0095</td>
<td>Replacing floor panels as part of the remodeling of the space into student computer lab</td>
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<td>28,320.00</td>
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<td>ME; Black</td>
<td>Cart to secure the scanners and computers</td>
<td>587.00</td>
<td>587.00</td>
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<td></td>
<td>ME; Black</td>
<td>6 mobile computer desks for the heat transfer lab</td>
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<td>MSE; Hoover 3337</td>
<td>Replacing computer desk chairs for undergrad computer lab</td>
<td>10,856.22</td>
<td>10,856.22</td>
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**Total** | **210,520.97**
APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the "Guidelines for Appropriate Expenditure of Income from the Student Technology Fee."*

Department: Chemical and Biological Engineering

Building/room location: Sweeney Hall/Room 2123

Description: Collaborative student workspace featuring 5 group tables with attached computer monitors and laptop hook up cables. 20 chairs to go around tables. Paint, carpet cleaning, and miscellaneous charges to renovate the space.

Total Project Cost: $15,000 $13,000

Category of unusual expense(s) within the project (see http://www.cio.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Furniture, minor renovations

Costs associated with these unusual expenses: $15,000 $13,000

Date(s) of proposed expense: 2/28/16

Justification*: Students will have a collaborative room where they can hook up their laptops and work together on projects. Unlike other computer labs in the building, only monitors are in this room, allowing students to bring in food and drinks for the more relaxed workspace that they have requested.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Andrew Hillier

College approval:

[Signature]
Furniture Order for Sweeney 2123 Collaboration Space

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<tr>
<th>Qty</th>
<th>Item #</th>
<th>Description</th>
<th>Unit Price</th>
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<td>48x54 no power lam flat view shape all-around</td>
<td>436.16</td>
<td>2,181</td>
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<tr>
<td>5</td>
<td>S914N25M</td>
<td>29h x 29d non-powered all-around base</td>
<td>368.82</td>
<td>1,844</td>
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<td>5</td>
<td>S914CWM</td>
<td>Counterweight for 29&quot; dia base all-around</td>
<td>110.85</td>
<td>554</td>
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<tr>
<td>20</td>
<td>INST-NCANO</td>
<td>Inspire 4-leg stack-armless-no uph-casters</td>
<td>173.04</td>
<td>3,461</td>
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Total per 2/16/16 quote 8,040

Expenses to get the room ready:
Project Number PR019511

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<tr>
<td>WD20678</td>
<td>2</td>
<td>Rm 2123 paint and carpet</td>
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<tr>
<td>WD20679</td>
<td>1</td>
<td>Rm 2123 paint and carpet</td>
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<tr>
<td>WD24594</td>
<td>12.4</td>
<td>Patch/Paint Rm 2123 Color SW7666 (Labor and Materials)</td>
<td>846.48</td>
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Expenses to-date 1,097.43

Monitors & Cables, Installation & Freight **(estimate)** 3,863

GRAND TOTAL 13,000.00
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<th>Part Number</th>
<th>Part Description</th>
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<th>Ext Sell</th>
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<td>1</td>
<td>ALS</td>
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Jennifer Linderblood
Storey Kenworthy
424 So. Bell
Ames IA 50010
In 954 3414
Fax 232 6280
email Jenniferblood@storeykenworthy.com

N:\linderblood\US\US\Sweeney Hall\Sweeney 2320 All Around Inspire 2-15-16.sp4
02/15/16 3:23:03 PM
## IOWA STATE UNIVERSITY

**OF SCIENCE AND TECHNOLOGY**

FP&M Accounting Services

### FP&M Job Billing

**FP&M Job Charges By Account Number**

**Account Number:** 497-02-78  
**07/01/2015** - to **06/30/2016** | **Lock up charges**

**Description:** 0515312-EXC FUND

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<td>WD08753</td>
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**Totals:** $52,484.71  93.8

Questions? Contact FP&M Accounting at 294-4688 .

There are pending charges:

### Pending Charges

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</table>
APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the “Guidelines for Appropriate Expenditure of Income from the Student Technology Fee.”]

Department: Chemical and Biological Engineering

Building/room location: Sweeney, Rooms 1053 and 2053

Description: We request the purchase of two experimental process units to be used by students in our junior (ChE 325) and senior (ChE 426) required laboratory courses. The items are: (1) Stirred Tank Reactors in Series with Software and Data Logging Package and (2) Computer Controlled Water Cooling Tower (and accessories).

Total Project Cost: approximately $76,326 (see attached quote)

Category of unusual expense(s) within the project (see http://www.cip.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Consulting CAC for purchase of major educational technology equipment (> $25 K)

Costs associated with these unusual expenses: $76,326

Date(s) of proposed expense: Spring, 2016 for installation and use during 2016 and beyond

Justification*: A detailed justification is attached, which describes how these two experimental units will enhance the teaching of our junior and senior laboratory courses, and allow for a greater throughput of students.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Andrew C. Hillier, Chair of CBE

College approval: 1-7-16
Justification for Proposed Experimental Process Units for Chemical Engineering Teaching Laboratories

Andrew C. Hillier, Professor and Department Chair

January 7, 2016

The intention of the Unit Operations laboratory courses is to prepare junior (ChE 325) and senior (ChE 426) level undergraduate chemical engineering students for their future careers. To achieve this, a range of content is delivered to students through laboratory experiments that give them hands on experience from their previous lecture courses. This includes heat and mass transfer, kinetics, thermodynamics, and fluids. The first two content areas mentioned are rather lacking in the number of experiments offered and variety of experiments that we currently have. Therefore, the Chemical and Biological Engineering department would like to add two new modules; (1) a stirred tank reactor system and (2) a water cooling and humidification tower. The new modules would be purchased from Armfield, a leading manufacturer in engineering education modules, and include computer software and automated data acquisition and control components.

(1) The stirred tank reactors in series module will increase the number of experiments that can be performed involving reaction kinetics. The stirred tank reactors in series is a computer controlled module from Armfield. A variety of experiments can be performed with this module for the junior and senior level laboratory courses. In the Junior lab class (ChE 325) the students would synthesize acetic acid from acetic anhydride while the seniors (ChE 426) would perform the saponification of ethyl acetate to create ethanol.

(2) The water tower is a computer-controlled module from Armfield that would allow students to develop an understanding of combined heat and mass transfer. The experiments from this new module will be designed for both junior and senior laboratory courses. Water cooling and humidification is a common system found in industry that our graduates are likely to encounter. As such, a working knowledge and experience with a system will be beneficial to their future careers.

Adding both of these modules to the curriculum will allow more students to flow through the course. As of now, we are hitting the maximum number of students we can have in one laboratory section. Expanding the number of experiments and the variety for each content area will allow more students to participate in the lab each semester. Not only will more students be able to be in the course during each semester, but the range of experiments covered will better prepare them for their future endeavors.
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<tr>
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<th>Ext. Price</th>
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<td>Stirred Tank Reactors in Series</td>
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<td>$36,122.00</td>
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<td>CEP-MKII-DTA-ALITE</td>
<td>Educational Software and Data Logging Package for CEP-MKII (formerly CEP-90IPD-USB)</td>
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<td>$4,665.00</td>
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<td>UOP6-MKII-B</td>
<td>Computer Controlled Water Cooling Tower</td>
<td>$26,442.00</td>
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<td>UOP6-MKII-23</td>
<td>Packing Characteristics Accessory</td>
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<td>$106,296.00</td>
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Total: $76,326

Note: Standard delivery is included, for expedited delivery, an additional charge will apply.
All deliveries are made to Central Receiving/Loading Docks. No inside deliveries.

Orders should be emailed to info@armfieldinc.com.

INFORMATION REQUIRED ON OR WITH YOUR ORDER:
1. Federal ID# (for US Customs Clearance purposes only).
2. Copy of Tax Exemption Certificate or the appropriate tax to be collected.
3. Invoices are emailed, provide email address for payment.
4. Contact Name and # in Central Receiving and the hours of operation.

Quoted By:
Willard Johnson, Senior Sales Manager
APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the "Guidelines for Appropriate Expenditure of Income from the Student Technology Fee."]

Department: Chemical and Biological Engineering

Building/room location: Sweeney, Room 2058

Description: Gass Chromatograph/Mass Spectrometer (GC/MS), including autosampler and computerized data acquisition in support of ChE 325 and ChE 426 undergraduate teaching laboratories.

Total Project Cost: approximately $76,000 (see attached quote)

Category of unusual expense(s) within the project (see http://www.cio.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Consulting CAC for purchase of major educational technology equipment (> $25 K)

Costs associated with these unusual expenses: $76,000

Date(s) of proposed expense: Fall, 2015 for installation and use starting Spring term, 2016

Justification*: We request the purchase of an automated analytical GC/MS testing and data acquisition system to support experiments that are conducted by students in our junior (ChE 325) and senior (ChE 426) required laboratory courses. Example uses include analysis of the compositions of biodiesel, distillation, and extraction experiments.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Andrew C. Hillier, Chair of CBE

College approval: 

[Signature]

10-1-15
Sales Quotation

Thermo Electron North America LLC

1400 Northpoint Pkwy Ste 10,
West Palm Beach, FL 33407-1976

Submitted To: 1030948
ASHLEY AUGSPURGER
IOWA STATE UNIVERSITY
CHEM & BIO ENGINEERING
2114 SWEENEY HALL
AMES IA 50011
tel: 515-294-1235

To place an order
Contact Info Joan Murray
Call: 561 687-6291
Fax: 412-200-6542
eMail: joan.murray@thermofisher.com
This order is subject to instructions and Thermo Fisher's terms & conditions on the last page.

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<td>10</td>
<td>ISQEQDS</td>
<td>ISQ QD Single Quadrupole MS</td>
<td>1 EA</td>
<td>57,300.00</td>
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</table>

ISQ QD Single Quadrupole GC-MS is for budget-minded lab owners seeking a reliable replacement for stand-alone GCs and offers a robust solution with Quality Design, MS Operational Simplicity, and Proven Dependability. ISQ QD is a GC-MS that any chromatographer can run, afford, and rely upon.

Electron Impact Ionization (EI), with Full Scan (FS), SIM, and FS/SIM simultaneous within sample injection.
Optional (not included as standard) Timed acquisition (t-SIM) mode and AutoSIM. Thermo Scientific ExtractaBrite EI source, with repeller, source lenses, RF lens and dual filaments in all ionization modes, programmable to 350 °C. Dual-stage mass filter with off-axis S-shaped ion guide for noise reduction and solid, homogeneous, non-coated quadrupole rods. DynaMax XR detection system, with off-axis dynode, discrete dynode electron multiplier and electron lifter, linear from 0 to 88 μA. Mass Range 1.2 – 1100.0 u. Ability to acquire more than 240 scans/s in SIM. Ability to acquire more than 73 scans/s in full scan when scanning over a range of 125 u. Standard capacity (66 L/a) turbomolecular pump. Mechanical rotary vane oil pump. Optional (not included as standard) oil-free scroll pump. Electron energy adjustable from 0 eV to 150 eV. Emission current up to 350 μA. Transfer line temperature up to 400 °C. Choice of gas chromatographs to match GC performance to the analytical needs of your lab. Compatible with additional sample introduction techniques, such as thermal desorption, purge and trap, canisters, gas sampling valves, and solid phase microextraction (SPME) as well as with FT-IR.

Promotion % 21,774.00 - USD
Net Value For Item 35,526.00 USD

| 20   | 14800301     | TRACE 1300 MAINFRAME 110V | 1 EA | 8,247.21 | 8,247.21 USD |

Trace 1300 Mainframe 110V includes: "1000-holes" fast GC oven with operating T range ambient +3 to 450°C; optional cooling to -100°C with LN2 or -50°C with CO2; Multiple-level temperature program with 32-ramp/33-plateaux with maximum heating rate of 125°C/min; Cooling down from 450°C to 50°C in less than 4 minutes; Six independent heated zones for individual control of injectors and detectors plus auxiliary zone; LAN interface; Simple start and stop buttons interface with status LED indicators

Promotion % 2,061.80 - USD
Net Value For Item 6,185.41 USD

| 30   | 19070011     | TRACE 1300 SSL W/BKF INJECTOR MODULE | 2 EA | 3,893.40 | 7,786.80 USD |

These commodities, technology or software are being exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

A part of ThermoFisher

S C I E N T I F I C
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<td>Instantaneously Connected-Flame Ionization Detector module: high performance in terms of sensitivity and dynamic range featuring acquisition rate as high as 300 Hz; MDL &lt; 1.8 pg C/s; sensitivity &gt; 0.03 Coulombs/gC; linear dynamic range = &gt;107 (± 10%); integrated electronic gas control (IEC); capillary column optimized compatible with 1/8&quot; and 1/16&quot; packed column; Flameout detection and automatic reignition; Max T = 450 °C; He or N2 as make-up gas.</td>
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<td>60</td>
<td>19050758</td>
<td>GAS LINE TOGGLE VALVE</td>
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<td>Manual ON/OFF valve for single gas line</td>
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<td>70</td>
<td>43280000-GCMS.PROMO</td>
<td>Chromeleon 7.2 for single GC SE</td>
<td>1</td>
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<td>Chromeleon 7.2 SE (single instrument license) with MS Control and dongle for new GC-MS systems only.</td>
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<td>80</td>
<td>25117590</td>
<td>AS1310 155 FOR TRC1300 S</td>
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<td>8,986.20</td>
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<td>AS 1310 with 155 sample tray for TRACE 1300 Series GC (for stand alone; ISQ, TSQ8000 and ITQ configurations)</td>
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Promotion %: Promotion % Included. Net Value For Item: 2,665.64 USD

Net Value For Item: Included

Promotion %: 1,030.24 USD

Net Value For Item: Included

Promotion %: 7,188.96 USD

Net Value For Item: Included

These commodities, technology or software are being exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.
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### To place an order
- **Contact Info**: Joan Murray
- **Call**: 561 687-6291
- **Fax**: 412-200-6542
- **eMail**: joan.murray@thermofisher.com

### Item Details

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<td>1R120383-2014</td>
<td>NIST 2014 MS Library with RI &amp; MS/MS</td>
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<td>NIST 2014 MS Library (NIST/EPA/NIH Mass Spectral Library Standard Reference Database 1A Data Version: NIST 14, Software Version 2.2g) includes NIST 2014 MS/MS and NIST 2014 RI. Contains 276,248 EI spectra for 242,466 compounds in the main library (mainlib) and additional 33,782 replicate spectra (repplib). GC Methods and Kováts Retention Time Indices Database for 82,668 compounds (nist_rri); 56,216 compounds in (mainlib) have Kováts retention index data. NIST 2014 Tandem (MS/MS) Database (nist_msms and nist_mams2) contains 234,284 spectra of 45,298 ions of 9,345 compounds. Includes NIST MS Search Program for Windows v. 2.2g (32-bit Unicode program requires Windows XP, Vista, or Windows 7, 8, or 8.1); An Automated MS Deconvolution and Identification System (AMDIS) v. 2.72; MS Interpreter v. 2.0. Total installed size is approximately 1.5 GB. AMDIS GC-MS deconvolution software extracts the spectrum of each component in a mixture analyzed by GC-MS and identifies target compounds. With the support of the Defense Special Weapons Agency (DOD), it was developed at the National Institute of Standards and Technology (NIST) for the critical task of verifying a major international treaty, the Chemical Weapons Convention. AMDIS can make use of the NIST database software if it is present, but it does not require the database software. AMDIS stand-alone software is also available as free download on NIST web site.</td>
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<td>110</td>
<td>701-054545</td>
<td>UNITY BASIC EXT WAR TRACE1300/1310U TR</td>
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<td>Included</td>
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<td>Unity Basic Extended Warranty (0 PM) for the Trace 1300 and Trace 1310 GC. 1 injector and 1 detector.</td>
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<td>ONSITE GC APPLICATIONS SUPPORT</td>
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Thermo Electron North America LLC
1400 Northpoint Pkwy Ste 10,
West Palm Beach, FL 33407-1976

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Sales Quotation

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<tbody>
<tr>
<td></td>
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</tbody>
</table>

To place an order

Contact Info: Joan Murray
Call: 561 687-6291
Fax: 412-200-6542
eMail: joan.murray@thermofisher.com

---

Onsite GC Applications Support

- This service will provide the customer with onsite applications support and assist with transferring analytical methods from their existing instrumentation to a TFS GC product.
- The number of days of support will be predetermined prior to quoting and requires pre-approval of a Regional Sales Manager and Applications Support Manager.

Important note:
- This is not a formal training course and should not be substituted for any training course currently offered by TFS.
- A prerequisite will be that the customer has prior GC experience and/or has experience with the TFS GC product.
- It is also strongly recommended that the customer has completed one of the formal GC training programs offered by TFS.

<table>
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<tr>
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| 160  | 1R120439-0030 | Convectron Gauge Kit ISQ QD/ISQ QD 300 | 1 EA | 800.00 | 800.00 USD |

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| 170  | 19050720 | GC/GCMS Start-up Kit TRC1300 Trace 1300/1310 Start-up Kit | 1 EA | 679.80 | 679.80 USD |

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<td>IN SERIES CONNECTION TCD MODULE</td>
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**Sales Quotation**

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<td>Inco 1</td>
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<td></td>
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</tbody>
</table>

**Shipping Method**

- Exped Def 5 Day

To place an order

- Contact Info: Joan Murray
- Call: 561 687-6291
- Fax: 412-200-6542
- eMail: joan.murray@thermofisher.com

<table>
<thead>
<tr>
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<th>Unit Price</th>
<th>Total Price</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Dynamic range = 105; Integrated electronic gas control (IEC); capillary column optimized (micro TCD) compatible with 1/8&quot; and 1/16&quot; packed column; Max T = 400 °C.</td>
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</tr>
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*These commodities, technology or software are being exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.*

---
1. GENERAL. THERMO ELECTRON NORTH AMERICA LLC ("Seller") hereby offers for sale to the buyer named on the face hereof ("Buyer") the products listed on the face hereof (the "Products") on the express condition that Buyer agrees to accept and be bound by the terms and conditions set forth herein. Any provisions contained in any document issued by Buyer are expressly rejected and if the terms and conditions in this Agreement differ from the terms of Buyer's offer, this document shall be construed as a counter offer and shall not be effective as an acceptance of Buyer's document. Buyer's receipt of Products or Seller's commencement of the services provided hereunder will constitute Buyer's acceptance of this Agreement. This is the complete and exclusive statement of the contract between Seller and Buyer for Buyer's purchase of the Products. No waiver, consent, modification, amendment or change of the terms contained herein shall be binding unless in writing and signed by Seller and Buyer. Seller's failure to object to terms contained in any subsequent communication from Buyer will not be a waiver or modification of the terms set forth herein. All orders are subject to acceptance in writing by an authorized representative of Seller.

2. PRICE. All prices quoted by Seller or by Seller's representatives may be changed at any time without notice. All prices quoted by Seller or Seller's representatives are valid for thirty (30) days, unless otherwise stated in writing. All prices for the Products will be as specified by Seller or, if no price has been specified or quoted, will be Seller's price in effect at the time of shipment. All prices are subject to adjustment on account of specifications, quantities, raw materials, cost of production, shipment arrangements or other terms or conditions which are not part of Seller's original price quotation.

3. TAXES AND OTHER CHARGES. Prices for the Products exclude all sales, value added and other taxes and duties imposed with respect to the sale, delivery, or use of any Products covered hereby, all of which taxes and duties must be paid by Buyer. If Buyer claims any exemption, Buyer must provide a valid, signed certificate or letter of exemption for each respective jurisdiction.

4. TERMS OF PAYMENT. Buyer may invoice Buyer upon payment for the price and all other charges payable by Buyer in accordance with the terms on the face hereof. If no payment terms are stated on the face hereof, payment must be thirty (30) days from the date of invoice. If Buyer fails to pay any amounts when due, Buyer shall pay Seller interest thereon at a rate of one and one-half percent (1.5%) per month (or, if lower, the highest rate permitted by law), together with all costs and expenses (including without limitation reasonable attorneys' fees and disbursements and court costs) incurred by Seller in collecting such overdue amounts or otherwise enforcing Seller's rights hereunder. Seller reserves the right to require from Buyer full or partial payment in advance, or other security that is satisfactory to Seller, at any time that Seller believes in good faith that Buyer's financial condition does not justify the terms of payment specified. All payments shall be made in U.S. Dollars.

5. DELIVERY; CANCELLATION OR CHANGES BY BUYER. The Products will be shipped to the destination specified by Buyer, F.O.B. Seller's shipping point. Seller will have the right, at its election, to make partial shipments of the Products and to invoice each shipment separately. Seller reserves the right to stop delivery of Products in transit and to withhold shipments in whole or in part if Buyer fails to make any payment to Seller when due or otherwise fails to perform its obligations hereunder. All shipping dates are approximate only, and Seller will not be liable for any loss or damage resulting from any delay in delivery or failure to deliver which is due to any cause beyond Seller's reasonable control. In the event of a delay due to any cause beyond Seller's reasonable control, Seller reserves the right to terminate the contract or to substitute the shipper and/or carrier and Buyer will not be entitled to refuse delivery or otherwise be relieved of any obligations as the result of such delay. Products as to which delivery is delayed due to any cause within Buyer's control may be placed in storage by Seller at Buyer's risk and expense and for Buyer's account. Orders in process may be cancelled only with Seller's written consent and upon payment of Seller's cancellation charges. Orders in process may not be changed except with Seller's written consent and upon agreement by the parties as to an appropriate adjustment in the purchase price therefor. Credit will not be allowed for Products returned without the prior written consent of Seller.

6. TITLE AND RISK OF LOSS. Notwithstanding the terms indicated above and subject to Seller's right to stop delivery of Products in transit, title to and risk of loss of the Products will pass to Buyer upon delivery of possession of the Products by Seller to the carrier; provided, however, that title to any software incorporated in or forming a part of the Products shall at all times remain with Seller or the licensor(s) thereof, as the case may be.

7. WARRANTY. Seller warrants that the Products will operate or perform substantially in conformance with Seller's published specifications and be free from defects in material and workmanship, when subjected to normal, proper, and intended usage by properly trained personnel, for the period of time set forth in the Product documentation, published specifications or package inserts. If a period of time is not specified in Seller's product documentation, published specifications or package inserts, the warranty period shall be one (1) year from the date of shipment to Buyer for equipment and ninety (90) days for all other products (the "Warranty Period"). Seller agrees during the Warranty Period, to repair or replace, at Seller's option, defective Products so as to cause the same to operate in substantial conformance with said published specifications; provided that Seller shall bear (a) promptly notify Seller in writing upon the discovery of any defect, which notice shall include the product model and serial number (if applicable) and details of the warranty claim; and (b) after Seller's review, Seller will provide Buyer with service data and/or a Return Material Authorization ("RMA"), which may include biohazard decontamination procedures and other product-specific handling instructions, then, if applicable, Buyer may return the defective Products to Seller with all costs prepaid by Buyer. Replacement parts may be new or refurbished, at the election of Seller. All replaced parts shall become the property of Seller. Shipment to Buyer of repaired or replacement Products shall be made in accordance with the Delivery provisions of the Seller's Terms and Conditions of Sale. Consumables are expressly excluded from this warranty.

Notwithstanding the foregoing, Products supplied by Seller that are obtained from an original manufacturer or third party supplier are not warranted by Seller, but Seller agrees to assign to Buyer any warranty rights in such Product that Seller may have from the original manufacturer or third party supplier, to the extent such assignment is allowed by such original manufacturer or third party supplier.

In no event shall Seller have any obligation to make repairs, replacements or corrections required, in whole or in part, as the result of (i) normal wear and tear, (ii) accident, disaster or event of force majeure, (iii) misuse, fault or negligence of or by Buyer, (iv) use of the Products in a manner for which they were not designed, (v) uses external to the Products such as, but not limited to, power failure or electrical power surges, (vi) improper storage and handling of the Products, or (vii) use of the Products in combination with equipment or software not supplied by Seller. If Seller determines that Products for which Buyer has requested warranty services are not covered by the warranty hereunder, Buyer shall pay or reimburse Seller for all costs of investigating and responding to such request at Seller's then prevailing time and material rates. If Seller provides repair services or replacement parts that are not covered by this warranty, Buyer shall pay Seller theretofor at Seller's then prevailing time and material rates. ANY INSTALLATION, MAINTENANCE, REPAIR, SERVICE, RELLOCATION OR ALTERATION TO OR FROM, OR OTHER TAMPERING WITH, THE PRODUCTS PERFORMED BY ANY PERSON OR ENTITY OTHER THAN WITHOUT SELLER'S PRIOR WRITTEN APPROVAL, OR ANY USE OF REPLACEMENT PARTS NOT SUPPLIED BY SELLER, SHALL IMMEDIATELY VOID AND CANCEL ALL WARRANTIES WITH RESPECT TO THE AFFECTED PRODUCTS.

THE OBLIGATIONS CREATED BY THIS WARRANTY STATEMENT TO REPAIR OR REPLACE A DEFECTIVE PRODUCT SHALL BE THE SOLE REMEDY OF BUYER IN THE EVENT OF A DEFECTIVE PRODUCT. EXCEPT AS EXPRESSLY PROVIDED IN THIS WARRANTY STATEMENT, SELLER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE PRODUCTS, INCLUDING WITHOUT LIMITATION ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. SELLER DOES NOT WARRANT THAT THE PRODUCTS ARE ERROR-FREE OR WILL ACCOMPLISH ANY PARTICULAR RESULT.

8. INDEMNIFICATION.

8.1 By Seller. Seller agrees to indemnify, defend and save Buyer, its officers, directors, and employees from and against all and any damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorney's fees) ("Indemnified Items") for (i) injury to or death of persons or damage to property to the extent caused by the negligence or willful misconduct of Seller, its employees, agents or representatives or contractors in connection with the performance of services at Buyer's premises under this Agreement and (ii) claims that a Product infringes any valid United States patent, copyright or trade secret; provided, however, Seller shall have no liability under this Section to the extent any such indemnified items are caused by either (i) the negligence or willful misconduct of Buyer, its employees, agents or representatives or contractors, (ii) by any third party, (iii) use of a Product in combination with equipment or software not supplied by Seller where the Product would not itself be infringing, (iv) compliance with Buyer's designs, specifications or instructions, (v) use of the Product in an application or environment for which it was not designed or (vi) modifications of the Product by anyone other than Seller without Seller's prior written approval. Buyer shall provide prompt written notice to Seller of any claim asserted against Buyer by any party claiming Buyer is liable to or damages such party. Buyer shall, at Seller's expense, defend such party and shall be entitled to the defense of such claim or, at the option of the Seller, to settle the same. Buyer agrees to cooperate reasonably with Seller in connection with the performance by Seller of its obligations in this Section.

Notwithstanding the above, Seller's infringement related indemnification obligations shall be extinguished and relieved it Seller, at its discretion and at its own expense (a) procures for Buyer the right, at no additional expense to Buyer, to continue using the Product, (b) replaces or modifies the Product so that it becomes non-infringing, provided the modification or replacement does not adversely affect the specifications of the Product; or (c) in the event (a) and (b) are not practical, refused to Buyer the amount of costs paid by Buyer with respect thereto, based on a five (5) year amortization schedule. THE FOREGOING INDEMNIFICATION PROVISION STATES SELLER'S ENTIRE LIABILITY TO BUYER FOR THE CLAIMS DESCRIBED HEREBE.
THermo ELECTRON NORTH AMERICA LLC TERMS AND CONDITIONS OF SALE

8.2 By Buyer. Buyer shall indemnify, defend with competent and experienced counsel and hold harmless Seller, its parent, subsidiaries, affiliates and divisions, and their respective officers, directors, shareholders and employees, from and against any and all damages, losses, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorneys’ fees and disbursements and court costs) to the extent arising from or in connection with (i) the negligence or willful misconduct of Buyer, its agents, employees, representatives or contractors; (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product itself would not be侵权ing; (iii) Seller’s compliance with designs, specifications or instructions supplied to Seller by Buyer; (iv) use of a Product in an application or environment for which it was not designed; or (v) modifications of a Product by anyone other than Seller after Seller’s prior written approval.

9. SOFTWARE. With respect to any software products incorporated in or forming a part of the Products hereunder, Seller and Buyer intend and agree that such software products are being licensed and not sold, and that the words “purchase”, “sell” or similar or derivative words are understood and agreed to mean “license”, and that the word “Buyer” or similar or derivative words are understood and agreed to mean “licensee”. Notwithstanding anything to the contrary contained herein, Seller or its licensor, as the case may be, retains all rights and interest in software products provided hereunder.

Seller hereby grants to Buyer a royalty-free, non-exclusive, nontransferable license, without power to sublicense, to use software provided hereunder solely for Buyer’s own internal business purposes on the hardware products provided hereunder and to use the related documentation solely for Buyer’s own internal business purposes. This license terminates when Buyer’s lawful possession of the hardware products provided hereunder ceases, unless earlier terminated as provided herein. Buyer agrees to hold in confidence and not to sell, transfer, license, loan or otherwise make available in any form to third parties the software products and related documentation provided hereunder. Buyer may not disassemble, decompile or reverse engineer, copy, modify, enhance or otherwise change or supplement the software products provided hereunder without Seller’s prior written consent. Seller will be entitled to terminate this license if Buyer fails to comply with any term or condition herein. Buyer agrees, upon termination of this license, immediately to return to Seller all software products and related documentation provided hereunder and all copies and portions thereof.

Certain of the software products provided by Seller may be owned by one or more third parties and licensed to Seller. Accordingly, Seller and Buyer agree that such third parties retain ownership of and title to such software products. The warranty and indemnification provisions set forth herein shall not apply to software products owned by third parties and provided hereunder.

10. LIMITATION OF LIABILITY. NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, THE LIABILITY OF SELLER UNDER THESE TERMS AND CONDITIONS (WHETHER BY REASON OF BREACH OF CONTRACT, TORT, INDEMNIFICATION, OR OTHERWISE, BUT EXCLUDING LIABILITY OF SELLER FOR BREACH OF WARRANTY (THE SOLE REMEDY FOR WHICH SHALL BE AS PROVIDED UNDER SECTION 7 ABOVE)) SHALL NOT EXCEED AN AMOUNT EQUAL TO THE LESSER OF (A) THE TOTAL PURCHASE PRICE THEREOF PAID BY BUYER TO SELLER WITH RESPECT TO THE PRODUCT(S) GIVING RISE TO SUCH LIABILITY OR (B) ONE MILLION DOLLARS ($1,000,000). NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE OF FACILITIES OR EQUIPMENT, LOSS OF REVENUE, LOSS OF DATA, LOSS OF PROFITS OR LOSS OF GOODWILL), REGARDLESS OF WHETHER SELLER (A) HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES OR (B) IS NEGLIGENCE.

11. EXPORT RESTRICTIONS. Buyer acknowledges that each Product and any related software and Technology, including technical information supplied by Seller or contained in documents (collectively “items”), is subject to export controls of the U.S. government. The export controls may include, but are not limited to, those of the Export Administration Regulations of the U.S. Department of Commerce (the “EAR”), which may restrict or require licenses for the export of Items from the United States and their re-export from other countries. Buyer shall comply with the EAR and all other applicable laws, regulations, laws, treaties, and agreements relating to the export, re-export, and import of any Item. Buyer shall not, without first obtaining the required license, do so from the appropriate U.S. government agency, (i) export or re-export any Item, or (ii) import, export, re-export, distribute or supply any Item to any restricted or embargoed country or to a person or entity whose privilege to participate in exports has been denied or restricted by the U.S. government. Buyer shall, if requested by Seller, provide information on the end user and end use of any Item exported or to be exported by Buyer. Buyer shall cooperate fully with Seller in any official or unofficial audit or inspection related to applicable export or import control laws or regulations, and shall indemnify and hold Seller harmless from, or in connection with, any violation of this Section by Buyer or its employees, consultants, or agents.

12. MISCELLANEOUS. (a) Buyer may not delegate any duties nor assign any rights or claims hereunder without Seller’s prior written consent, and any such attempted delegation or assignment shall be void. (b) The rights and obligations of the parties hereunder shall be governed by and construed in accordance with the laws of the State of Seller’s manufacturing location, without reference to its choice of law provisions. Each party hereby irrevocably consents to the exclusive jurisdiction of the state and federal courts located in the county and state of Seller’s manufacturing location, in any action arising out of or relating to this Agreement and waives any other venue to which it may be entitled by domicile or otherwise. (c) In the event of any legal proceeding between the Seller and Buyer relating to this Agreement, neither party may claim the right to a trial by jury, and both parties waive any right they may have under applicable law or otherwise to a right to a trial by jury. Any action arising under this Agreement must be brought within one (1) year from the date that the cause of action arose. (d) The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded. (e) In the event that any one or more provisions contained herein shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect, unless the revision materially changes the bargain. (f) Seller’s failure to enforce, or Seller’s waiver of a breach of, any provision contained herein shall not constitute a waiver of any other breach of or such provision. (g) Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to humans or animals. (h) Buyer agrees that all pricing, discounts and technical information that Seller provides to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (1) keep such information confidential and not disclose such information to any third party, and (2) use such information solely for Buyer’s internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public. (i) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other.
To place your order and expedite shipment, please 1) sign and date this quotation below; and 2) fax or e-mail it along with your Purchase Order to one of the addresses below.

Please note-all Purchase Orders must show the vendor name of Thermo Electron North America LLC:

Thermo Electron North America LLC
5225 Verona Road
Madison, WI 53711

Complete System Orders:
Fax: 412-200-6542
e-mail: usmadorderprocessing@thermofisher.com

Parts or Service Orders:
Fax: 877-680-2565
e-mail: USMAD.ServiceOE.PO@thermofisher.com

Notes:
A.) Items marked with an asterisk (*) on the face of the quotation are non-Thermo Electron North America LLC products.
B.) Prices, warranty, installation and service on the items quoted herein are available only in the United States and may not be otherwise assigned.
C.) Tax exemption certificates or direct pay permits must be provided with the order documents, if applicable. If tax exemption documentation is not provided, buyer shall pay federal, state & local taxes in addition to the price stated on this quotation.
D.) Buyer shall not export or re-export technical data or products supplied by Thermo Electron North America LLC in violation of applicable export regulation. Buyer who exports from the U.S. products purchased hereunder assumes all responsibility for obtaining required export documentation, authorization, and payment of all applicable fees.

As an authorized representative of the Buyer, your signature below creates an agreement to buy the products and services listed herein and your acceptance of the Seller's Standard Terms and Conditions of Sale included herein as the sole and exclusive terms for your purchase.

______________________________  _______________________
Buyer Signature  Date
APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the “Guidelines for Appropriate Expenditure of Income from the Student Technology Fee.”]

Department: Mechanical Engineering

Building/room location: 0069 Black Engineering & 0083 Black Engineering

Description: Seven heavy duty storage cabinets to hold components and other supplies for hands-on learning activities in ME 370 - Instrumentation Lab. Two computer desks - one for ME 370 and the other for ME 421.

Total Project Cost: $4,184.05 - includes estimated freight

Category of unusual expense(s) within the project (see http://www.cio.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Other - furniture

Costs associated with these unusual expenses: $4,184.05

Date(s) of proposed expense: August 2015

Justification*: With the increased enrollment in mechanical engineering, new lab space was needed to accommodate additional students in ME 370 - Instrumentation Lab. The new space does not have built-in storage cabinets like the previous space. Therefore, seven (7) heavy duty storage cabinets are needed to store the components and other supplies used by students in this hands-on lab. Computer desks are needed to accommodate increased enrollment in ME 370 (0069 Black) and ME 421 (0083 Black).

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Nate Jensen

College approval: Ellen Ritter 8-12-15
**Sales Quote**

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<td><a href="mailto:daschroe@lastate.edu">daschroe@lastate.edu</a></td>
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<td></td>
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**Item Total:** $2,526.65

**Estimated Freight:** $1,137.00

**Total:** $3,663.65

**PLEASE BE SURE TO REVIEW OUR TERMS AND CONDITIONS**

**Notes**
I HAVE DISCOUNTED THE MERCH AND FREIGHT FOR YOU

Thank you for the opportunity to help with your needs. To place your order or for further assistance please contact me.

Name: FRANK CURTO
Email: fcurto@globalindustrial.com
Phone: (515) 608-7392 x7392
Fax: (515) 608-7529

*Applicable taxes and shipping charges will be added to invoice. Global's standard terms and conditions apply. Please see our website www.globalindustrial.com for details.
11 HARBOR PARK DRIVE  
PORT WASHINGTON, NY 11050

Sales Quote

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**Item Total:** $368.50

**Estimated Freight:** $151.90

**Total:** $520.40

**Please be sure to review our terms and conditions**

*Applicable taxes and shipping charges will be added to invoice.Globals standard terms and conditions apply. Please see our website www.globalindustrial.com for details.*

Thank you for the opportunity to help with your needs. To place your order or for further assistance please contact me.

Name: FRANK CURTO
Email: fcurto@globalindustrial.com
Phone: (516) 608-7392 x7392
Fax: (516) 608-7529

**Notes**
USE THIS QUOTE TO PLACE YOUR ORDER WITH YOUR LOGON

From: fcurto@globalindustrial.com
To: Schroeder, Deborah A [M.E]
Subject: Sales Quotation # 3194542
Date: Tuesday, August 04, 2015 9:33:18 AM
APPENDIX A

Request for advance approval of unusual expenses

*Categories of unusual expenses are listed in paragraph 2, Section III of the "Guidelines or Appropriate Expenditure on Income from the Student Technology Fee."

Department: Mechanical Engineering

Building/room location: 0095 Black Engineering

Description:
Replacing raised floor panels in 0095 Black Engineering as part of the remodeling of the space into a new student computer lab.

Total Project Cost: $28,320.00

Category of unusual expense(s) within the project (see http://www.cio.lastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Renovations and updates to facilities.

Costs associated with these unusual expenses: $28,320.00

Date(s) of proposed expense: August 2015

Justification*:
Due to the large increase in undergraduate enrollment in mechanical engineering, we need to expand the number of students computer lab seats. By remodeling 0095 Black Engineering, an additional 22 seats will be available for students. The current floor panels are cracked and broken leading to potential trip hazard for increased foot traffic from students. Replacing the current raised floor panels with new floor panels will allow us to keep the flooring infrastructure in place and keep the cables and wires hidden underneath the computer stations.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Nate Jensen

College approval: 7/15/15
Date: 7/3/2015

To: Iowa State University
Attn: Purchasing Department
3616 Administrative Service Building
Ames, IA 50011-3616

From: Scott Brown
847-909-5578
sbrown@dataspan.com
Customer Service: Barb Mack
800-316-1050
bmack@dataspan.com

We are pleased to submit the following proposal in response to:

Request for Proposal No. 63141
Provide & Partially Install Raised Floor Panels in the Black Engineering Building.

Scope of Services:
Supply and install (554) Refurbished AMDCSF1250 /16" Cheyenne Gray Starlite Integral Trim HPL raised floor panels like sample provided. Also included will be (12) attic stock panels for owners use.
(48) Raised floor panels will be cut into place along walls and columns.
(40) AMD 8" Black PVC Swirl Air Diffusers will be supplied and located with the center quadrant of the panel.
(35) 3" OD Black PVC Grommets will be supplied and located within the center quadrant of the panel.
Supply (1) pallet jack that will work with the skids sent. Skid size 24” x 24”

Total: $28,320.00
Sales Tax: $ Not Included
Freight Estimate: $ Included

Note:
No Permits are included.
Grounding of Raised Floor by others.
Labor Rate: $138.00 Hr (Standard Time).
Lead time 4 weeks or sooner ARO.
Terms Net 30 Days

Pages 19 – 22 and Addendums 1 & 2 of RFP 63141 are attached to this RFP response.
We look forward to the opportunity to work with you on this project. Please contact me with any questions regarding our proposal.

Thank you,

Scott Brown  
Account Manager  
(p) 630-213-1637 | (f) 630-2131638 | (c) 847-909-5578  
sbrown@dataspan.com  
www.dataspan.com

DataSpan  
Data Management & Protection  
Helping our clients acquire, distribute, backup, archive and secure data
SECTION V
FORM OF PROPOSAL

TO: Iowa State University
    Purchasing Department
    3616 Administrative Services Building
    Ames, IA 50011-3616

5.1 In response to Request for Proposal Number 63141, the undersigned Company, having read and
understood the proposal documents (Proposal Instructions and Conditions, Scope of Work, General
Terms and Conditions of the Contract, and Evaluation Criteria/Proposal Content, (and supporting
Attachments), which along with this Form of Proposal comprise the Proposal Documents, hereby
proposes to provide services in accordance with these Proposal Documents as stated below.

5.2 Contractor acknowledges receipt of the following Addenda, which are a part of the Proposal
Documents:

5.3 The sections of this proposal listed below represent trade secrets or proprietary information.

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5.4 The undersigned Contractor states that full compliance with the Proposal Documents is maintained
in this proposal, submitted in response to RFP 63141, unless otherwise stated on Proposal
Compliance Form.

5.5 Contractor understands that Iowa State University reserves the right to reject any and all proposals,
waive irregularities or technicalities in any proposal, and accept any proposal in whole or in part which
it deems to be in its best interest.

5.6 Contractor agrees their proposal is an offer to ISU that may not be withdrawn for a period of sixty (60)
calendar days after the proposal due date.

5.7 Please provide the names of any Subcontractors your firm intends to award a portion of this Work to,
should your firm be awarded this proposal. Use additional sheets if necessary. If no subcontractors
are to be used by my firm on this project, please check here. [ ]

Subcontractor's
Company Name or Owner Address Contact Person
& Phone Number

1. Allied Companies 2132 Fluer Dr Tim Downey
    Des Moines, IA PH. 630-632-2720

2. 

5.8 Please provide the names of references for similar projects completed within the last three years.
Use additional sheets, if necessary.
<table>
<thead>
<tr>
<th>Reference</th>
<th>Company Name or Owner</th>
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</tr>
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<tbody>
<tr>
<td>1.</td>
<td>Iowa State University</td>
<td>Black Engineering Bldg.</td>
<td>PH.</td>
</tr>
<tr>
<td>2.</td>
<td></td>
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<td>3.</td>
<td></td>
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</table>

5.9 Contractor hereby certifies by signing below: that this proposal is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation; (b) that Contractor has not directly or indirectly induced or solicited any other Contractor to put in a false or sham proposal; (c) that Contractor has not solicited or induced any person, firm, or corporation to refrain from bidding; and (d) that Contractor has not sought by collusion or kickback to obtain any advantage over any other Contractor or over ISU.

Legal Business Name: Data Span Holdings Inc.
Legal Business Address: 1245 Viceroy Drive, Dallas, TX 75247
Federal Employment Identification Number (FEIN): # 47-1708393
Authorized Signature: Scott Brown
Printed Signature: Scott Brown
Firm’s State or Foreign Country of Residence: Texas
Telephone Number: 800 316-1050
Date: 7/6/15

Company representative to contact during normal office hours regarding this proposal: Scott Brown

Telephone number of this representative: 847 909 5578
Email address of this representative: sbrown@data span.com
Fax number: 402 484-0376
5.10 Pricing
If desired, provide further breakdown on additional sheets. Price shall be all inclusive.

<table>
<thead>
<tr>
<th>Description</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide &amp; partially install raised floor panels, diffusers &amp; grommets</td>
<td>$28,320.00</td>
</tr>
<tr>
<td>(includes stock panels)</td>
<td></td>
</tr>
<tr>
<td>Panel Manufacturer Refurbished SF1250/16 Model</td>
<td></td>
</tr>
</tbody>
</table>

5.11 State size of pallet that panels will be shipped on 24' x 24''

Can the pallet (size stated above) be used with a standard pallet jack? Yes  No  X

If no, Company agrees to provide a pallet jack for ISU to use during ISU's installation of full panels.

Yes  No

State warranty of the panels One year

Company has provided a color chart or website showing color information with bid response

Yes  No  X  Sample panel provided  See Attached

Company has provided product literature with bid response

Yes  X  No

Company has provided a sample panel with bid response

Yes  X  No

5.12 Payment Terms
Net 30

(Failure to indicate your terms will mean that if your proposal is accepted, Iowa State University will apply a 5% percent cash discount for payments made within 15 days of receipt of your invoice in the Purchasing Department or completion of the construction project, whichever is later. ISU cannot make payment of an invoice before an item is received, nor can we make a down payment with an order.)

5.13 Schedule/Registration:
Delivery of panels on 1st week of August
Installation to be started on 1st week of August
Installation to be completed by Completed by August 7th as requested
Company or subcontractors/installers Iowa Dept. of Labor Registration Number 408706
Expiration date Good thru 2015

O63141 - Raised floor panel
PROPOSAL COMPLIANCE FORM

NOTE: Additional copies may be made as necessary.

I hereby certify total compliance with all sections, including all terms, conditions, specifications, and provisions of this Request for Proposal except as expressly stated below.

<table>
<thead>
<tr>
<th>RFP Subsection No.</th>
<th>Page No.</th>
<th>Comments</th>
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</thead>
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</table>

Signature: Scott Brown
Name: Scott Brown
Date: 7-6-15
June 23, 2015

To: All Vendors

FROM: Wendy Foster  
Purchasing Agent

SUBJECT: Iowa State University Request for Proposal_RFP 63141 Raised Floor Panels- Black Engineering: Bid Due, July 6, 2015 at 4:00 PM CT.

Addendum #1

The following have been added:

1) Section II, add the following: "2.3 E For this project, ISU will allow bids for brand new panels or used panels that have been refurbished & re-laminated with a 1/16 " thickness high pressure laminate. Brand new panels or refurbished panels must fit into existing understructure. Company shall note of the Form of Proposal if panels are brand new or refurbished.

2) Section II, add the following: "2.10 The current flooring is original to the building which was built around 1985. See attached pictures of existing panels and understructure for reference purposes. Pictures can also be viewed at https://www.dropbox.com/sh/g7xoc2w63mbr4k/AADGz5b5HncSHyPQz0p04ol5me?dl=0

3) Attached to this addendum is a layout of room 95E in Black Engineering for reference purposes.

Please acknowledge receipt of this addendum by signing in the space provided below and return this letter with your offer.

I hereby acknowledge receipt of this addendum.

Signature

Scott Brown

Typed or Printed Name

DataSpan Holding, Inc

Company Name

Date 7-6-15

Q63141 Raised Floor Panels
June 23, 2015

To: All Vendors

FROM: Wendy Foster
Purchasing Agent

SUBJECT: Iowa State University Request for Proposal RFP 63141 Raised Floor Panels - Black Engineering: Bid Due, July 6, 2015 at 4:00 PM CT.

Addendum #2

The following have been added:

1) Section II, add the following: "2.3Cc – Metal swirl air diffusers are acceptable.

Please acknowledge receipt of this addendum by signing in the space provided below and return this letter with your offer.

I hereby acknowledge receipt of this addendum.

Sincerely,

[Signature]

Date 7-6-15

[Typed or Printed Name]

[Company Name]
AMC INTERIORS, INC.
1694 SAUK DR.
BATAVIA, IL 60510
(630) 632-2720
www.amcinterioriesinc.com

FINISHES (CHECK ONE)

1/16" STANDARD HPL
INTEGRATED EDGE TRIM
CEMENTITIOUS FILL MATERIAL

CORNER SECTION 1/16" IT HPL

1/8" STANDARD HPL
INTEGRATED EDGE TRIM
CEMENTITIOUS FILL MATERIAL

CORNER SECTION 1/8" IT HPL
HPL OR VINYL (PLEASE SPECIFY)
TOPSET TRIM EDGE
CEMENTITIOUS FILL MATERIAL

CORNER SECTION TS TRIM
CEMENTITIOUS FILL MATERIAL

CORNER SECTION BARE PANEL

FEATURES

STRONG - DIE FORMED ALL STEEL BOTTOM PAN CONSISTING OF 84 EMBOSSED OR DOME LIKE BOTTOM SECTION, WELDED FOR A DIE CUT, FULL HARD STEEL TOP SHEET TO FORM A STRUCTURAL UNITIZED CONSTRUCTION.

FINISH - PANELS ARE CLEANED WITH A PART WASH AND RINSE SYSTEM. PRIOR TO APPLYING A CONDUCTIVE POWDER COAT EPOXY PROTECTION FINISH, WHICH IS ELECTRONICALLY AND THERMALLY TREATED UNTIL A HARDENED DURABLE SURFACE IS OBTAINED.

DURABLE - HEAVY DUTY DYNAMIC ROLLING LOAD, ULTIMATE IMPACT AND STATIC LOAD PERFORMANCE, ONE OF THE HIGHEST AVAILABLE IN THE INDUSTRY.

STRENGTH / WEIGHT - HIGH STRENGTH TO WEIGHT RATIO MEETS OSHA SLOE GUIDELINES FOR SINGLE WORKER LIFTING.

FLEXIBLE - ALL PANELS ARE SUITABLE FOR USE ON ALL OUR UNDERSTRUCTURE SYSTEMS.

CSF1250 PANEL LOADING CHART

<table>
<thead>
<tr>
<th>LOAD TYPE</th>
<th>POUNDS</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCENTRATED</td>
<td>1250 LBS.</td>
<td>5560 N.</td>
</tr>
<tr>
<td>UNIFORM</td>
<td>300 LBS.</td>
<td>1334 N.</td>
</tr>
<tr>
<td>ULTIMATE</td>
<td>3750 LBS.</td>
<td>16.6 KHN</td>
</tr>
<tr>
<td>IMPACT</td>
<td>150 LBS.</td>
<td>68 KG</td>
</tr>
<tr>
<td>ROLLING LOAD (10 PASS)</td>
<td>1000 LBS.</td>
<td>4448 P.N.</td>
</tr>
<tr>
<td>ROLLING LOAD (10,000 PASS)</td>
<td>800 LBS.</td>
<td>3559 P.N.</td>
</tr>
<tr>
<td>SAFETY FACTOR</td>
<td>PASS</td>
<td>PASS</td>
</tr>
</tbody>
</table>
Grommet is Made Of Flame Retardant Polypropylene

NOTE: Cut-Sheet drawing and specifications are subject to change without prior notice.

GR-3
3" ROUND GROMMET
DESCRIPTION:
The ASM "Smart-Air" 8-inch round air diffuser is designed for use in raised access floor air distribution systems, where the floor cavity is used for pressurized supply air. The design achieves high induction rates of room air which optimizes mixing for maximum comfort conditions.

FEATURES:
Meets all the requirements of NFPA 90A.

Diffuser & components constructed of high impact polycarbonate/ABS complying with UL Standard 94-5V for flammability.

Nominal size is 8 inches (203mm) dia. with low profile design.

Dust collection basket catches anything that might fall through the diffuser face. Basket is removable for cleaning.

Variable volume flow regulator damper, features visual open/closed indication and includes built-in end stops.

Low pressure drop core/damper assembly design.

Architecturally pleasing face design compliments contemporary decor and lies flush with trim ring flange.

Rugged trim ring design secures carpet and prevents edges from fraying.

Unique adjustable mounting clamp design adapts to any floor panel thickness and provides simple and secure installation. Permits installation from above the floor without removal of the floor panel or carpet.

### AIR FLOW VOLUME

<table>
<thead>
<tr>
<th>Static Pressure</th>
<th>0.02&quot;</th>
<th>0.04&quot;</th>
<th>0.06&quot;</th>
<th>0.08&quot;</th>
<th>0.10&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM</td>
<td>45</td>
<td>65</td>
<td>80</td>
<td>95</td>
<td>105</td>
</tr>
</tbody>
</table>

NOTE: Cut-sheet drawing and specifications are subject to change without prior notice.

ASM Modular System Inc.
9500 Industrial Center Dr.
Ladson, SC, 29456
Tel: 843-934-1110
Fax: 843-934-1111
www.asmproducts.com

SD-100
SMART-AIR
8" ROUND DIFFUSER

Rev. 8/07
CS - 7205
APPENDIX A

Request for advance approval of unusual expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the “Guidelines for Appropriate Expenditure of Income from the Student Technology Fee.”]

Department: Mechanical Engineering

Building/room location: Black Engineering

Description: Cart is needed for ME 170 to secure the two (2) 3D scanners and two (2) computers that run the scanners.

Total Project Cost: $587.00 plus shipping & handling

Category of unusual expense(s) within the project (see http://www.cio.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Other - furniture

Costs associated with these unusual expenses: $587.00 plus shipping & handling

Date(s) of proposed expense: August 2015

Justification*: With the increase in the number of mechanical engineering students, being able to more effictently use materials, supplies and equipment is necessary in the limited space available for classroom labs. The cart will enable the ME department to secure the 3D scanners and computers necessary to run the scanners while making these more accessible to students.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Nate Jensen

College approval: 8/10/15
Mobile Service Bench, 36 In. L, 24 In. W

GRAINGER APPROVED

Price $587.00 / each

Delivery options:
- Deliver one time only
- Auto-Repeat Every [ ] 1 Month

Confirm ZIP Code to determine availability.

ZIP Code 50010

Add to Cart

Add to List

Be the first to write a review | Ask & Answer

Item # 1TGL5
Mfr. Model # 3100-95
UNSPSC # 55101530
Catalog Page # 1591
Shipping Weight 193.0 lbs.

Country of Origin Mexico

Note: Product availability is real-time updated and adjusted continuously. The product will be reserved for you when you complete your order. More

Technical Specs

<table>
<thead>
<tr>
<th>Item</th>
<th>Mobile Service Bench</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Capacity</td>
<td>2000 lb.</td>
</tr>
<tr>
<td>Overall Length</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Overall Width</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Overall Height</td>
<td>37-1/2&quot;</td>
</tr>
<tr>
<td>Caster Type</td>
<td>(2) Rigid, (2) Swivel</td>
</tr>
<tr>
<td>Caster Material</td>
<td>Phenolic</td>
</tr>
<tr>
<td>Material</td>
<td>Steel</td>
</tr>
<tr>
<td>Gauge</td>
<td>14 ga.</td>
</tr>
<tr>
<td>Color</td>
<td>Gray</td>
</tr>
<tr>
<td>Finish</td>
<td>Powder Coated</td>
</tr>
<tr>
<td>Handle</td>
<td>Push</td>
</tr>
<tr>
<td>Door Cabinet Height</td>
<td>35-1/2&quot;</td>
</tr>
<tr>
<td>Door Cabinet Width</td>
<td>33&quot;</td>
</tr>
<tr>
<td>Door Cabinet Depth</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Includes</td>
<td>(3) Point Locking Handle with (2) Keys</td>
</tr>
</tbody>
</table>
Compliance and Restrictions

None

Alternate Products

[Image of Mobile Service Bench]

Item # 1TGL6
Mobile Service Bench, 60 in. L, 24 in. W
GRAINGER APPROVED
Price
$697.50 / each

Customers Also Purchased

[Images of Wellington Boots, 16x25x1, Air Filter, Quick Release Ratchet, and Socket Extension]

Wellington Boots, Stl, Met Grd, 7-1/2, PR
Item # 4ADV8
JOHN DEERE
Price: $214.29

16x25x1, Air Filter, Aluminum Mesh
Item # 2TE95
AIR HANDLER
Price: $60.15

Quick Release Ratchet, 3/4" Dr, 19-7/8" L
Item # 5MX65
WESTWARD
Price: $104.90

Socket Extension, 3/4 in x 8 in
Item # 5MW44
WESTWARD
Price: $29.55

Alternate Search Terms

Utility Carts (3115)
Mobile Cabinets (883)
Tool Carts (229)
Maintenance Carts (124)
Service Carts (2460)
Mobile Storage Cabinets (788)
Contractor's Carts (164)
Cabinet Benches (111)
Work Benches (2020)
Maintenance Benches (764)
Mobile Work Benches (155)
Shop Carts (1188)
Mobile Work Centers (238)
Mobile Workbenches (129)
This Product has no Reviews. Be the first to Write a Review.

Product Reviews Disclaimer:
Grainger is neither responsible for, nor does it endorse, the content of any product review or statement posted. Any statements posted constitute the statements of the poster and are not the statements of Grainger. The statements posted by Grainger employees with the Grainger employee badge represent the views of such employees and are not the statements of Grainger. Grainger makes no representations as to the appropriateness, accuracy, completeness, correctness, currentness, suitability, or validity of any product review or statements posted, including those posted by employees with the Grainger employee badge, and is not liable for any losses, injuries or damages which may result from any such product review or statements. Use of any linked web site provided in a product review or post is at the user's own risk.

Ask & Answer
2 questions | 2 answers |

What is the distance between the shelves? I am guessing 17 3/4"
1 answer

on item # 1TGL5, are there shelves in this work bench? I want to see the inside of it.
1 answer

Ask and Answer Disclaimer:
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APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the “Guidelines for Appropriate Expenditure of Income from the Student Technology Fee.”]

Department: Mechanical Engineering

Building/room location: 87 Black Engineering Building

Description:
Purchase six (6) mobile computer desks for the Heat Transfer Lab (ME 436) in 87 Black Engineering. These mobile computer desks will allow for more functionality of the remodeled space by making computers more easily accessible by student teams as they work on projects together.

Total Project Cost: $1,247.70

Category of unusual expense(s) within the project (see http://www.cio.iastate.edu/committees/cac/policies/expenditures_2011-2012.pdf):
Furniture

Costs associated with these unusual expenses: $1,247.70

Date(s) of proposed expense: July 2015

Justification*:
The large influx of students has made it necessary for us to find ways to accommodate larger sections of ME courses. We are renovating space in the basement of Black Engineering for the ME 436 - Heat Transfer Lab. Students will work on projects together in this space and the mobile computer desks will enhance the students' ability to access computers as needed for the projects. These mobile computer desks will match three (3) that we purchased previously.

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Nate Jensen

College approval: 6.28.15
Narrow Your Results

Category
Computer Furniture (1)

Brand
Luxor (1)

Our Price
$100 - $100

Search Within Results
$182.95
See all 35 items in product family

Featured Items

Mobile Security LCD Computer Cabinet Enclosure -
$389.95

Mobile Computer Desk With Pullout Keyboard - Blue
Not Yet Rated

Mobile LCD Computer Workstation
$302.95

Flip Up Keyboard & Mouse Tray For Orbit
$69.95

Storage & Charging Cart for 12 Laptop & Chromebook™
$299.95

Mobile Computer Workstation
$217.95

http://www.globalindustrial.com/searchResult?searchBox=&q=B379216
APPENDIX A

Request for advance approval of unusual* expenses

[*Categories of unusual expenses are listed in paragraph 2, Section III of the “Guidelines for Appropriate Expenditure of Income from the Student Technology Fee.”]

Department: MSE
Building/room location: 3337 Hoover Hall
Description of total project: Replacing computer desk chairs for MSE Undergrad computer lab. Chairs were picked out from Purchasing Department’s pre-approved list.

Total Project Cost: $10,856.22 (38 chairs @ $285.69/each)
Category of unusual expense(s) within the total project (see http://www.cio.iustate.edu/committees/cac/policies/expenditures_2011-2012.pdf):

Costs associated with these unusual expenses: Chairs
Source of support for remaining project costs:
Date(s) of proposed expense:

Justification*: The previous chairs were cheaper type and the students found them uncomfortable. They also broke and tore much easier than anticipated. All chairs need to be replaced. (These chairs were original to the building circa. 2004)

*(Please attach PIQ of employee if requesting greater than 50% of base salary support from CAC.)

Requested by: Kristen Plummer

College approval: