

## AM02 - Texas A&amp;M University

P.O. Date: 7/12/2016

## Purchase Order

Purchase Order Number

AM02-16-P024503

SHOW THIS NUMBER ON ALL  
PACKAGES, INVOICES AND  
SHIPPING PAPERS.

V E N D O R	Vendor Number: 00019509 MTS Systems Corporation
	14000 Technology Dr Eden Prairie, MN 553442290

INVOICING VENDOR SHALL SUBMIT AN ITEMIZED INVOICE SHOWING  
PURCHASE ORDER NUMBER. IF YOUR INVOICE IS NOT PROCESSED AS  
INSTRUCTED, PAYMENT MAY BE DELAYED.

S H I P T O	INDUSTRIAL ENGINEERING Attn: Contact JAIME VYKUKAL at (979)458-2377; Email: jmv@tamu.edu EMERGING TECHNOLOGIES BLDG 4062 3131 TAMU COLLEGE STATION, TX 778433131 US Email: purchasing@tamu.edu Phone: (979) 845-4570
	ATTN: FMO Accounts Payable 750 Agronomy Road - Suite 3101 6000 TAMU Attn: Email invoices to invoices@tamu.edu Attn: Do not mail invoice if sending via email College Station, TX 778436000 USA Email: invoices@tamu.edu Phone: (979) 845-8362

**Please login to Buy A&M to retrieve attachments associated with the  
Purchase Order.**

Solicitation (Bid) No.: AM02-16-B000396

Payment Terms: Net 30  
Shipping Terms: F.O.B., Destination  
Freight Terms: Freight Prepaid and Add  
Delivery Calendar Day(s) A.R.O.: 90

Item # 18

Supply your Certificate of Insurance before any installation is done. (Requirements listed on attachments)

Item # 1  
Class-Item 545-00

Exceed 44.304 TBC Test System - MTS Exceed 44.304TBC Load Frame; 30 kN (6.7kip), 200-240 V

\*Maximum rated force capacity: 30 kN (6600 lbf) \*Frame type: Floor-standing \*Test zones: Single/Dual \*Maximum test speed: 508 mm/min (20 in/min) \*Minimum test speed: 0.001 mm/min (0.00004 in/min) \*Vertical test space crosshead travel (standard): 1150 mm (45.28 in) \*Space between columns: 400 mm (15.75 in) \*Frame height (standard) 1862 mm (73.3 in) \*Frame width: 845 mm (33.27 in) \*Frame depth: 716 mm (27.19 in) \*Weight (standard) 435 kg (959 lb)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 15,844.32	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 15,844.32

LN/FY/Account Code

1/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-  
EN-L--

Dollar Amount

\$ 15,844.32

Item # 2  
Class-Item 545-00

Low Profile Load Cell; 30 kN (6.7 kip)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 1,112.40	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 1,112.40

<u>LN/FY/Account Code</u> 2/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD- EN-L--	<u>Dollar Amount</u> \$ 1,112.40
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Item # 3  
Class-Item 545-00

Transfer Adapter for 20 to D

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
2.00	\$ 54.00	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 108.00

<u>LN/FY/Account Code</u> 3/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD- EN-L--	<u>Dollar Amount</u> \$ 108.00
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Item # 4  
Class-Item 545-00

Exceed 44 Load Cell Assembly; 2 kN (450 lbf)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 623.52	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 623.52

<u>LN/FY/Account Code</u> 4/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD- EN-L--	<u>Dollar Amount</u> \$ 623.52
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Item # 5  
Class-Item 545-00

Wedge Grip; 7 64-bit (32-bit for TestWorks 4 EM Upgrades)

\*Rated Force: 30 kN (6.7 kip) \*Working Temperature: Room Temperature \*Weight: (Upper part) 7.44 kg (16 lbs) (Lower part) 47.44 kg (16 lbs) (16 lbs) \*Specimen Opening Range: 0-7-14, 14-21/mm; (0-0.28,0.28-0.55, 0.55-0.83 in) O4-O9, O9-O14, O14-O19 mm (O0.16-O0.35, O0.35-O55, O0.75 in)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 843.12	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 843.12

<u>LN/FY/Account Code</u> 5/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD- EN-L--	<u>Dollar Amount</u> \$ 843.12
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Item # 6  
Class-Item 545-00

Wedge Set Assembly; Flat, 100 kN (22 kip), 0-7 mm (0-0.28 in)

\*Rated Force: 100 kN (22 kip) \*Working Temperature: Room Temperature \*Weight: (Upper part) 14.7 kg (32.40 lbs) (Lower part) 14.7 kg (32.40 lbs) \*Specimen Opening Range: 0.7 mm (0-0.28 in)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 141.12	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 141.12

LN/FY/Account Code

6/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 141.12

Item # 7

Class-Item 545-00

Wedge Set Assembly; Round, 100 kN (22 kip), 4-9 mm (0.16-0.35 in)

\*Rated Force: 100 kN (22 kip) \*Working Temperature: Room Temperature \*Weight: (Upper part) 14.7 kg (32.40 lbs) (Lower part) 14.7 kg (32.40 lbs)

\*Specimen Opening Range: 4-9 mm (0.16-0.35 in)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 167.04	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 167.04

LN/FY/Account Code

7/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 167.04

Item # 8

Class-Item 545-00

Model 634-25E-24 Axial Extensometer; US Customary

\*Gage Length: 2.000 in \*Travel: +1.000/-0.200 in \*Temperature Range: -120 degree F to +250 degree F \*Stain Range: +50%/-10%

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 2,059.20	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 2,059.20

LN/FY/Account Code

8/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 2,059.20

Item # 9

Class-Item 545-00

Cable, TEDS Adapter to Extensometer, PT Connector

\*Compatible with 494 controller (FT40/60/100/200) and extensometer (634.12 or 634.25)

\*Compatible with Criterion controller when paired with system cable for TEDS

\*Length: 1.5 m (5 ft)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 201.60	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 201.60

LN/FY/Account Code

9/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 201.60

Item # 10

Class-Item 545-00

Cable Assembly; RJ50 to JT, 3 m (10 ft)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 176.40	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 176.40

LN/FY/Account Code

10/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 176.40

Item # 11

Class-Item 545-00

TestSuite TM - TW Elite Software - EM

Software to provide the ability to design, run, analyze and report on monotonic and cyclic tests.

\*To include pre-defined templates for tension, compression, bend and peel testing - \*Graphical drag-and-drop test flow design - \*Test template creation - \*Data acquisition (timed, P/V, level crossing, cyclic/logarithmic) - \*Sine, square, triangle, ramp, hold and custom waveform activities - \*Parallel branches for test execution and logical operators (if/then, while) - \*Limit sensing, sequencing triggers and interface to digital I/O - \*Data export to ASCII - \*Report generation during test and post test - \*PC Requirements: Dual-core 2.4 GHz processor, 4.0 Gb RAM, Windows XP or 7 Professional 32-bit. 8 Gb RAM and Windows 7 64-bit - \*Recommended Software: TestSuite Reporter for creating and editing report templates, Microsoft Excel 2003 or newer to view reports

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 2,631.60	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 2,631.60

LN/FY/Account Code

11/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 2,631.60

Item # 12

Class-Item 545-00

TestSuite TM Strain 1 Option

\*Provides the ability to collect data from one hardware channel for extensometers, load cells or high-level signals

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 1,087.20	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 1,087.20

LN/FY/Account Code

12/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 1,087.20

Item # 13

Class-Item 545-00

Materials Science Academic Offer Curriculum and Simulation Software to include a Materials Science curriculum. The undergraduate-level curriculum to include lesson plans, homework, and lab assignments for three key subject areas relating materials science and mechanical testing. Subjects include Tension, High Cycle Fatigue, and Fracture Toughness, and promote the integration of lab and classroom activities to help improve learning outcomes. Also to include TestSuite TM TW Elite simulation software. To include twenty (20) copies of simulation software to be used offline by students in a computer laboratory environment. Offline software capability, designed to replicate the system software that operates universal test system, deliver student engagement and teaching efficiency in many ways. Students will be able to simulate materials test offline to instill learning and develop expectations of actual test results, design tests offline before transferring those test profiles to the online software, run simulations and get test results for materials that are not available in the lab. In addition, simulation software will be kept current to whatever level chosen to maintain system software.

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 0.00	EA	28.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00

LN/FY/Account Code

13/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 0.00

Item # 14

Class-Item 545-00

Onsite Calibration

Configuration Details:

\*Axial Force Calibration, 0 to 30 kN (2)

\*Axial Force Calibration, 0 to 30 kN

\*Axial Extensometer Onsite Calibration at Time of Installation

\*Calibration Standards Fee

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 1,596.96	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 1,596.96

LN/FY/Account Code

14/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 1,596.96

Item # 15

Class-Item 545-00

Onsite install 7 Commissioning

Configuration Details:

\*Exceed E44 Onsite Install (5)

\*Onsite installation of Electromechanical Accessory (2)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 1,159.20	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 1,159.20

LN/FY/Account Code

15/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 1,159.20

Item # 16

Class-Item 545-00

Onsite Basic Operator Training

Configuration Details:

\*Exceed E44 Onsite Training (6)

\*Basic Operator Training for Electromechanical Accessory

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 1,159.20	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 1,159.20

LN/FY/Account Code

16/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-EN-L--

Dollar Amount

\$ 1,159.20

Item # 17

Class-Item 545-00

Travel Expense

## Configuration Details:

\*Installation Travel Expense - First Day

\*Installation Travel Expense - Additional Days (2)

Quantity	Unit Price	UOM	Discount %	Total Discount Amt.	Tax Rate	Tax Amount	Freight	Total Cost
1.00	\$ 758.16	EA	0.00 %	\$ 0.00		\$ 0.00	\$ 0.00	\$ 758.16

LN/FY/Account Code17/16/02-INEN-BLANK-241407-17000-8425----842504-N-AA-CD-  
EN-L--Dollar Amount

\$ 758.16

TAX: \$ 0.00

FREIGHT: \$ 0.00

TOTAL: \$ 29,669.04

ANY EXCEPTIONS TO PRICING OR DESCRIPTION CONTAINED HEREIN MUST BE APPROVED BY THE TEXAS A&M UNIVERSITY AGENCY PROCUREMENT OFFICE PRIOR TO SHIPPING.

The State of Texas is Exempt from all Federal Excise Taxes.

State and City Sales Tax Exemption Certificate: The A&M System claims an exemption from taxes under Chapter 20, Title 122A Revised Civil Statutes of Texas for purchase of tangible personal property described in this order, purchased from Vendor listed above as this property is being secured for the exclusive use of the State of Texas.

## APPROVED

By: Angel Constancio

Email: agc@tamu.edu

Phone#: (979) 845-3847

BUYER

The Terms and Conditions of the State shall prevail.

FAILURE TO DELIVER: If the Vendor fails to deliver these supplies by the promised delivery date or a reasonable time thereafter, without giving acceptable reasons for delay, or if supplies are rejected for failure to meet specifications, the State reserves the right to purchase specified supplies and equipment elsewhere, and charge the increase in price and cost of handling to the Vendor. No substitution or cancellations permitted without prior approval of The Texas A&M University System.

STATE OF TEXAS AND THE TEXAS A&M UNIVERSITY SYSTEM TERMS AND CONDITIONS APPLY.