



Quote No. 210302W-M

## Sales Quotation











Customer:

National Renewable Energy Laboratory (NREL)  
15013 Denver West Parkway  
Golden, Colorado 80401

Date March 3, 2021  
MD Job No.  
Customer No.  
Salesman  
Special Code  
Shipping FOB - Twinsburg, OH

Description:

**MD-AWD-500 Portable Chassis Dynamometer**  
**with robot driver & shim. Includes engineering and custom fabrication.**

Pricing is in USD				Terms	
				Due upon Receipt	
Item	Quantity	Description	Regular Price		Your price
1	1	<b>Standard MD-AWD-500-SE Portable Chassis Dynamometer - 80-inch outer track, 88-118-inch wheelbase</b> Comes with primary roller bed, single PAU, cover plates, calibration weight, wheel chocks, ratchet straps, class V hitch trailer, trailer cover, pull out ramps, and wiring for 240VAC single phase with provision for wiring to facility power     <b>4U Rack PowerdynePC Dynamometer Control Server (includes rack with wheels)</b> Rugged fan cooled case, ITX PC, SS hard drive, DAC32 micro-processor, digital I/O cards, AC/DC power supply, 8GB memory, HDMI, multiple USB, Two (2) Ethernet, LED front panel, rubber feet, handles, wi-fi, bluetooth 100/240VAC power cord, Linux OS, remote diagnostic software, Std. PowerdynePC Windows software service for control and display, Mustang Dynamometer Banner    	\$ 132,500.00		\$ 132,500.00
2	1	Upgrade to the 88-132-inch wheelbase version. Extends maximum wheelbase from 118-inches to 132-inches	\$ 9,500.00		\$ 9,500.00
3	90	Engineering hours to make the trailer fit into the loading dock space at NREL. Engineering will require mechanical engineering to modify the trailer as well as the mechanical hardware required to level the dynamometer. This project will require a book of materials. Drawings will be furnished to NREL on the custom aspects of this machine.	\$ 125.00		\$ 11,250.00
4	1	Steel Shims to Accommodate the above trailer. These will be fabricated such that they can support the weight	\$ 9,575.00		\$ 9,575.00
5	1	Robot Accelerator and Brake Pedal Controller for Automatic Vehicles. Includes servo gearmotors, servo controllers, Hand Pendant, Pedal Actuator Bracket Assembly, Motor Base with Handle, cabling. Motors will be 240 V single phase. The intent is for this system to connect to 240VAC single phase facility power.  	\$ 36,800.00		\$ 36,800.00
6	1	Limit switch package for detecting tire failure - four each	\$ 1,999.00		\$ 1,999.00
7	4	Ratchet Strap assembly - extra strength	\$ 49.95		\$ 199.80
8	1	Training at site in Colorado. Includes three days at site plus expenses.	\$ 4,900.00		\$ 4,900.00
		NRELs Ts and C's and NREL payment terms of 100% payment after receipt of delivery and order is completed have been accepted by Mustang Dynamometer  Customer is responsible for all taxes and duties unless otherwise noted. Mustang to collect and remit sales and use tax for customers located in the states of OH, NJ, MI and CA. Customers located in other states should contact their accountant regarding sales and use tax as it relates to this purchase			

### Thank you!

This quotation is valid for 90 days  
Customer arranged pick-up - please contact Donald Bowman at extension 212 with questions.  
Ready to ship: 16-20 Weeks ARO Customer is responsible for all taxes and duties unless otherwise noted. Mustang to collect and remit sales and use tax for customers located in the states of OH, NJ, MI and CA. Customers located in other states should contact their accountant regarding sales and use tax as it relates to this purchase.

Subtotal	\$ 206,723.80
Discount	\$ (28,575.00)
Subtotal After Discount	\$ 178,148.80
Tax	Tax Exempt
Shipping	\$ 8,500.00
Total	\$ 186,648.80



2300 Pinnacle Parkway  
Twinsburg, Ohio 44087  
Tele (888) 468-7826  
Fax (330) 425-3310  
www.mustangdynamometer.com

Authorized Signature

Date

