

Quotation

Osaka Vacuum USA, Inc.

48000 Fremont Blvd.
 Fremont, CA 94538 USA
 Tel: 510-770-0100 Fax: 510-770-0104

Quote: **M-5466**

Date: **8.28.2018**

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Steve Vass

CALTECH

LIGO 40m Lab
 391 S Holliston Avenue
 Pasadena, CA 91125
 Tel: 626.395.4219
steve@ligo.caltech.edu

Ref: **Per email/tel discussion 8.28.2018**

Zone: OV-USA
 CC: Pedro G./E. Kirkland

Term Net 30

Iter	Description	Qty	Discounted OEM Unit Price**	Total unit Price
Osaka 340 L/S, TG390MCAB MagLev Compound Turbopump PKG ; DN100CF inlet/ AIR COOLED /220VAC				
Standard < 0.01 um vibration version				
1	Osaka TG390MCAB Maglev Compound Turbomolecular Pump Complete Package consisting of:	1	\$ 9,968.00 **	\$ 9,968.00 **
(340 L/S High Throughput Turbopump with 5-Axis Active Magnetically Levitated System)				
Capacity: 2,000 SCCM continuous Nitrogen Flow Capacity: 700 SCCM continuous Argon Flow			(Unit List Price: \$ 18,768.00)	
Scope of delivery: (Complete Package)				
1 ea.	TG390MCAB Magnetically Levitated Compound Turbomolecular Pump: 340 L/S N2 pumping speed; Wide range evacuation from 1 torr to 10 ⁻¹⁰ torr; high compression ratio for light gases; DN100CF Conflat Inlet Flange ; operated by 5-Axis Active Electromagnetic Digital Control with feedback network; Low vibration and Dry Vacuum pumping; N2 Purge port built-in ; Water cooled version factory configured; Any mounting position; Matching Controller & Turbopump not required; auto-tuned feature built in; Inlet/Foreline Centering Ring included	Origin of Products: ALL - JAPAN		
1 ea.	TC010MA Digital Maglev Controller with RS232 & Parallel PLC I/O Interface ; Single phase ; 200/220V ; 50/60Hz - 1/2 Rack			
1 ea.	5 Meter Motor Drive and Air Cooling Fan Cable (Pump to controller)			
1 ea.	Air Cooling unit/kit factory installed			
1 ea.	Protective Inlet Screen factory installed			
1 ea.	Remote Connector for PLC REMOTE I/O and AC Input Cable			
1 ea.	Operation Manual			
All new units				
WARRANTY = 12 months parts and labor from Osaka shipment date				
** Discounted Unit Price for CALTECH - no annual minimum				

Delivery after order acknowledgment

EX-W Shipping Point

In Stock or 12 - 16 weeks ARO

Osaka Vacuum USA @ Fremont CA, USA

This quotation is subject to the terms and conditions attached and is valid for **90** days only.

Gross Weight: about kg.

Measurement: about m³

Osaka Vacuum USA, Inc.

By: Jackson Leung
 Marketing Manager
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