

**INSTRUCTIONAL EQUIPMENT REQUEST**  
**2016-2017**

Internal Use

IE #: Fall 50

Total \$: 49,189.90

**RECEIVED**  
**OCT 18 2016**  
**VP ACADEMIC SERVICES**  
**LAS POSITAS COLLEGE**

Requester Name: David Everett Division Name: MSEPS

**SECTION 1: SUMMARY INFORMATION**

**Brief Title of the Request:**

Grape elevator with vibrating sorting table; this is a compatible upgrade that will enhance our existing destemmer which will include an elevated safety gangway and a pedestal for the destemmer

Equipment Location Building: 800 Room: 806 VWT YARD

**SECTION 2: EQUIPMENT DESCRIPTION**

The equipment is:  A Replacement  An Upgrade  New Equipment/Technology

**Describe the specific equipment requested and how it will be used to replace, upgrade or provide new technology to LPC from what is currently in place:**

The grape elevator and vibrating sorting table will be used to instruct and train our students on the critical component of quality control in the winery. This equipment is compatible with our existing destemmer and will offer our students a valuable opportunity to take part in the assembly of, sanitation protocols, safe operation and breakdown of a grape elevator and sorting table layout. This will completely modernize our current equipment. It will also offer us a better layout for sorting fruit. This is a state of the art, compact and very efficient set up. This is equipment that is currently in place at most modern winemaking facilities and our students need experience with this type of technology.

**If applicable, describe the legal requirement, mandate, or safety concern for purchase of this equipment, making specific reference to the legal requirement or regulation:**

Having the grape elevator in place will address a current safety concern we have with our existing set up. The grape hopper at the top of the destemmer has potential (possible not probable) for a safety hazard. The current practice is to have students walk up stairs carrying approx. 20lbs of fruit, stand on a platform then lift and dump the lugs of fruit into the hopper. There is a tripping hazard and the hazard of exposing the students to the auger screw. The elevator will eliminate any safety concern by changing the loading process. With the elevator in place, the fruit will be unloaded at floor level onto a hopper with a slowly moving belt which carries the fruit up to the destemmer auger screw. No stairs, no lifting, no twisting and dumping and no exposure to moving equipment.



## SECTION 3: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

### LPC MISSION STATEMENT:

LPC is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

### LPC PLANNING PRIORITIES:

- ❖ Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- ❖ Provide necessary institutional support for curriculum development and maintenance.
- ❖ Develop processes to facilitate ongoing meaningful assessment of SLOs and integrate assessment of SLOs into college processes.
- ❖ Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.

Specify how the equipment supports *LPC's Mission Statement and Planning Priorities*:

Modernizing our current equipment proves we are a learning centered college program, supporting our students needs of being provided with the most modern instructional equipment available. This equipment supports the most current, industry based retraining goals including basic skills and career-technical training goals.

## SECTION 4: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

This equipment will support an entire program. The grape elevator and sorting table is a critical component that supports instruction of production which takes place each summer and through the fall. Critical thinking is involved through the process of knowing why, when, and how to set up a complex system that supports quality control. The classes directly impacted will be VWT 20, 41 and 42 (enology centric). The grape sorting system will offer astounding lab opportunities to these students in particularly with the added value of experience that would serve them well in the work force. The classes that will be indirectly impacted will be VWT 10, 31, 32, 25 and 47 which the students will not only be take place in the process but eventually chemically analyze the end product

**If this equipment is included in your Program Review, please include the exact wording. If equipment is not included, explain why:**

VWT: As a career technical education (CTE) program it is critical that students gain hands on experience with the equipment that they will be expected to use in their future places of employment. Informal assessments have shown that recently acquired instructional equipment have significantly improved student learning and employability in the industry. The viticulture and Enology field changes day to day and keeping up with new technology, R&D, trends and new equipment is critical to the success of the VWT program. To pursue updated, upgraded, modernized instructional equipment. CTE driven programs RELY on safe, modern, equipment to instruct with. It is critical to the success of the students. The VWT student requires that the knowledge gained in the classroom will ensure employability

## SECTION 5: TEACHING AND LEARNING

**Describe in detail the impact this equipment will have on teaching:**

Teaching quality control though the use of modern equipment allows us to perform is a critical component of instruction that is in place in the VWT program: Quality Control. Without this modern equipment, instruction would suffer. Successful winemaking is based on many facets of quality control. We have tooled the curriculum to focus on techniques of fine wine making which certainly includes the benefits of fruit sorting. Not having our system in place and functioning could be viewed as unprofessional and reflect poorly on the level of instruction practiced in the classrooms and labs. Without it we could only use pictures and virtual teaching with no hands-on instruction. This would be a bad thing.

**Describe in detail the impact this equipment will have on learning:**

We base our instruction not only on technical information shared in the classroom but with hands-on learning labs. Hands-on labs require tangible, instructional equipment. We have in place equipment that performs a function (destemming) which requires this upgrade to support and enhance quality control. Students expect this infrastructure to be in place to witness what takes place in the real world of a working winery. The students expect to be instructed on the operation of specific equipment connected to successful wine making. This is not our standard to send graduates into the work force with zero experience in such a practiced component in wine production.

Each academic year, this equipment will impact:  $\frac{9}{2}$  # of classes/sections  $\frac{200}{2}$  # of students



## **SECTION 6: OUTCOMES (SLOs)**

**Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved?**

Winery Operations outcomes are directly impacted. This instructional equipment supports the discipline of quality control using modern equipment which is a component of a number of classes curriculum. Specifically, safety in the workplace and winery sanitation

**What are the consequences related to learning outcomes if request is not funded?**

If not acquired, LPC will unfortunately fall short on the student's hopes, dreams and expectations. Indirectly, a lack of a quality product for instruction could negatively impact a number of other VWT classes. We do not wish to produce poor wine that will inevitably represent the level instruction here at LPC.

## **SECTION 7: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)**

**What is the potential life span of the requested equipment?**

The equipment should have an indefinite lifespan. It is constructed of stainless steel.

**If new storage is needed, describe the storage, location, and costs: (Specific storage costs should be detailed in the "Part A: Initial Start-up Costs" section below.)**

The unit will be housed just outside room 806 in a designated, protected, secure location.

**What will be required to maintain the equipment, such as regular servicing or upkeep? (Specific on-going costs should be detailed in the "Part B: On-Going Annual Operating Costs" sections below as applicable.)**

The sorting table and elevator requires periodic maintenance such as lubrication; the VWT program is prepared to supply it with budget monies.

**Explain how this equipment meets or exceeds basic sustainability efforts and/or provides renewable resources to the college:**

Sustainable because there will be no need to purchase this item again. It will support any future growth of the program.



**Part A: Initial Start-up Costs**

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Equipment or Materials	44,420.00	
Taxes (9.5%)	4,219.90	
Shipping or Delivery Charge	550.00	
Installation Costs *	0.00	
Miscellaneous Costs:	0.00	
Facilities Modifications	0.00	
Operator Training	0.00	
Maintenance & Repair Training	0.00	
Other:	0.00	
Vendor Discount		The discount is figured into the cost of the units
<b>Grand Total:</b>		49,189.90

**Part B: On-Going Annual Operating Costs**

<u>Item</u>	<u>Cost</u>	<u>Comments</u>
Annual Service or Maintenance	0.00	
Estimated Parts Replacement Per Year	0.00	
Outside Standardization or Calibration Costs	0.00	
Storage Costs	0.00	
New Supply Costs	0.00	
Miscellaneous Costs:	0.00	
Maintenance & Repair Labor	0.00	
Other:	0.00	
<b>Annual Operating Costs:</b>		0.00

**Indicate the source of funding for on-going annual operating costs:**

If needed, funding will be provided by the VWT operating budget monies





**Part C: Incremental Labor Costs**

**OPERATOR:**

Indicate the key operator: Program <sup>coordinator</sup> director/faculty

Is this in their current scope of duties? Yes

Indicate cost to train key operator (include in Initial Start-up Costs above): 0

Indicate amount of time per month key operator will use equipment: Variable; potential for constant use for 5 months of the year

**MAINTENANCE & REPAIRS:**

Indicate the person performing maintenance and repairs: instructor and classified support lab-tech

Is this in their current scope of duties? yes

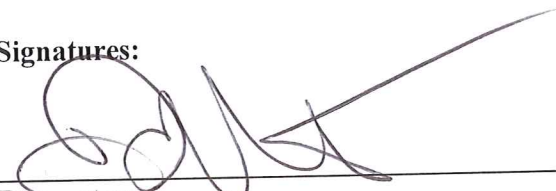
Indicate cost to train for maintenance and repairs: 0

Indicate amount of time per month maintenance will be required: N/A

**SECTION 8: APPROVALS**

Funded requesters will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer-related equipment and printers must be reviewed by the LPC IT Department.

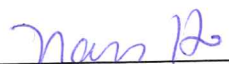
Signatures:

  
Requester


10-15-16  
Date

IT Department (if required)

Date

  
Dean/Manager

10-17-16  
Date

  
Vice President

10/24/16  
Date





# The Vintner Vault



3230 Riverside Ave Suite 140 Paso Robles, CA 93446  
Ph: (805) 226-8100 Fax: (805) 226-8188  
[www.TheVintnerVault.com](http://www.TheVintnerVault.com)

## Las Positas College

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**13' x 16" Lift Conveyor**

**TECHNICAL CHARACTERISTICS:**

- Completely Stainless Steel Frame 2mm outer plating and 1.5mm inner plating
- Sanitary rubber coated stainless steel drive roll
- Reinforced unloading section
- Stainless steel pipe legs
- Inspection and washing side openings
- Belt tension adjustment tie rods
- Corrosion proof stainless steel ball bearings
- With Hydraulic height adjustments add (variable Lift Heights)
- Motor to include a mechanical variable speed
- Addition of trolley to allow easy movement of the unit with locking casters

Price.....\$17,000.00  
**Complete Package Price.....\$15,270.00\***  
**Bin Dumping Hopper (not shown in Picture).....\$1,950.00\***





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3230 Riverside Ave Suite 140 Paso Robles, CA 93446  
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**1.5 Meter Vibrating Table**

**TECHNICAL CHARACTERISTICS:**

- Fully constructed out of AISI 304 Stainless Steel
- Flow surface designed in a junction free shape
- Support Legs on adjustable feet
- Driven by means of two electric vibrating motors
- Vibrating structure installed on durable rubber insulators
- 'Sanitary fittings for drainage collection
- Fitted with an additional, removable screen for juice, shot berries and other MOG under 5mm

**TECHNICAL DETAILS:**

- Plate Thickness is 3mm
- Interior Width 600mm
- Total Width 750mm

Price.....\$12,550.00  
**Pre-Harvest Price 1.5 Meter Vibrating table ..... \$ 11,500.00\***







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## Imma Horizontal Sorting Tables

### TECHNICAL CHARACTERISTICS:

- Sanitary Rubber Coated Stainless Steel Transfer Roll
- Flat Belt without Battens
- Available in 16", 24" or 31" Widths
- Available in 10', 13', 16.5' or 20' Lengths
- Fully constructed out of AISI 304 Stainless Steel
- Telescopic Legs for Height Adjustment

### TECHNICAL DETAILS:

- 24" Width x 13' Length.....\$14,250.00\*

<b>Complete Package Price 24" x 13'</b> .....	<b>\$13,050.00*</b>
Eternal Frame for crusher roller post sorting table.....	\$500.00*
Stand for Raising the height of the existing Stemmer so the system can drop into bins.....	\$1,250.00*
Platform for sorting table (length of sorting table).....	\$550.00*
2 small platform steps for either side of Lift Conveyor for (MOG) per sorting.....	\$350.00*





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**Total Package including all items marked with \* after the price.....\$44,420.00**  
**All Equipment 220V 3 Phase 60 Hz**

Additional Cost for All Imma Equipment 220V Single Phase 60 Hz.....\$2,750.00\*  
**Total if 220V Single Phase is needed.....\$47,170.00**

**TERMS AND CONDITIONS:**

- Prices are for goods FOB Paso Robles, CA
- Applicable taxes Extra
- Payment: 50% Down 50% Prior to Delivery
- Deposits are Not Refundable
- Shipping: Not Included in this Quote
- Delivery time: To Be Agreed
- Installation and Training Included on Complete Package

This quotation automatically expires 30 days from  
October 13, 2016  
We hereby offer to purchase the item(s)  
Described above under the general  
Please use our purchase order No.....

Date.....

Company.....

Signature.....

Prepared by Andrew Berg





