

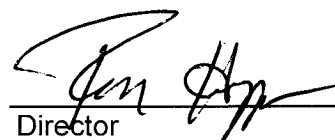


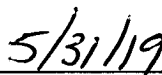
**Purchasing and Contracts Branch**  
2201 East Market Street  
Long Beach, California 90805-5556

Request for Bids (RFB)

**15-1819**  
**Engineering & Manufacturing Lab**  
**Equipment**  
(Price Agreement)

RELEASED ON: 6/3/2019

  
Director

  
Date

## SECTION A - INSTRUCTIONS

### 1. INTRODUCTION

The Long Beach Unified School District (District) is seeking sealed bids from qualified vendors (Bidder), to provide Engineering & Manufacturing Lab Equipment. The intent of this RFB process is to select a Bidder, or Bidders, and establish a one (1) year contract with an option to extend for up to four (4) additional one year periods based on satisfactory service/performance.

#### a) District Contact

The District contact (Contact) for this RFB is the sole point of contact for this procurement. All communication shall be in writing and submitted to the Contact as designated below. Bidders are not permitted to communicate with other District staff or officials about this RFB, except during pre-bid meetings and/or interviews, unless otherwise directed by the Contact. Direct written questions and/or correspondence related to this RFB to:

**Contact:** Toni Sampo, Purchasing Agent

**E-Mail:** Tsampo@lbschools.net

Bidders interested in participating in this RFB should immediately provide Contact with a telephone number and an e-mail address for dissemination of addenda and/or supplemental information, as applicable. Failure to do so may result in late notifications and/or incomplete bids.

#### b) Deadline for Submitting Questions

Any questions regarding this RFB must be submitted, via email, to the Contact referenced above, no later than 6/12/2019 at noon. All submittals must reference the RFB number and title. Questions submitted by the deadline will receive an email response from the District no later than 6/18/2019.

#### c) Quantities

Quantities are based on estimated usage and the District's best estimate of future purchases throughout the term of the bid. Bidders are advised that actual orders may vary from stated quantities.

### 2. FORMAT AND SUBMISSION

Bids must be submitted on the provided bid forms in conformance with this RFB. Bids must be submitted in a sealed envelope with the bid number, bidder's name and address appearing on the face thereof. Bidders must complete and return the following:

- Company Information Form
- Piggyback Clause Form
- Request for Taxpayer Identification Number and Certification Form (Form W-9)
- Bid Form and Price Worksheets
- Addenda in chronological order (if applicable)
- If bidding other than items specified herein, provide Manufacturer's Specification sheets

Additionally, bids must be submitted to and addressed as follows:

**LBUSD Purchasing & Contracts Branch  
Attn: Toni Sampo, Purchasing Agent  
RFB 15-1819 - Engineering & Manufacturing Lab Equipment  
2201 E. Market Street  
Long Beach, California 90805**

The deadline for submitting a sealed bid is **6/25/2019 at 11:00 AM**. Any bid received after this time will be returned unopened (Government Code Section 53068). It is the Bidder's responsibility to ensure that their bid arrives before the deadline. Postmarks will not be accepted in lieu of actual receipt. **Faxed or e-mailed bids will not be accepted.**

### 3. **CONTRACT TERM**

The initial contract period will be July 2019 through June 2020. The contract may be extended for up to four (4) additional one (1) year periods upon mutual consent of both parties. The District requires that all pricing contained in the bid remain firm for the initial term. The District will consider fully documented requests for price increases, to be submitted at least thirty (30) days prior to contract renewal. The District may, at its sole option, accept any changes or cancel from the contract those items concerned.

### 4. **SCOPE OF SERVICES**

The awarded Bidder shall deliver the requested products to the District within six (6) weeks of receipt of purchase order. All items must be delivered, ready for use, F.O.B. Long Beach Unified School District Warehouse, 2201 E. Market Street, or location as specified in purchase order. Bidder shall include a detailed and accurate packing slip with each delivery. Purchase order number must appear on all packages, packing slips, and invoices.

The awarded Bidder will provide the unpacking, assembling, installation, calibration and testing of supplied equipment when specified.

The awarded Bidder shall provide all operational and instructional manuals. When specified, the awarded Bidder will provide all necessary training for each piece of equipment, which shall include, at a minimum, basic equipment operation and safety procedures.

If any item, or component thereof, is discontinued and replaced by an upgraded item, it may be deemed an acceptable replacement if it meets or exceeds original specifications.

### 5. **EQUIVALENT BRANDS**

All items referenced in this bid are "or equal" and are not meant to be restrictive. Bidders desiring to quote other brands must indicate make/brand, and model name/number proposed with each item. The specified brands must be furnished unless clearly indicated by bidder.

If bidding **other than specified**, samples **MUST** be submitted upon request within five (5) business days. Failure to supply samples may be cause for bid rejection. All samples submitted must indicate bid number, bid item number, vendor name; brand and model/mfg. number on **outside of each package**. Samples are to be delivered to 2201 E. Market St., Long Beach, CA 90805. Bidder is responsible for all cost of samples and freight, including return service.

## 6. AWARD

### a) Method

After the public bid opening, where the apparent low bid is identified, bids will be reviewed to ascertain that they are in compliance with the RFB requirements. Bidders may be deemed non-responsive for failure to comply with the requirements set forth herein. Evaluation of responsive Bidders may be based on, but not limited to such factors as ability to deliver products in a timely manner, appropriateness and quality of materials, length and scope of the warranties and pricing.

Items in this bid will be awarded on a lot basis, the various lots shall be specified on the Bid Form. The use of lot awards is intended to insure consistency of use and quality. The District reserves the right to cancel or withdraw any item(s) before award and proceed with an award on the remaining items.

Bidders must submit a price for each item within the lot to be considered for award of that lot. Failure to meet this condition may result in rejection of the bid within that lot. If an alternate item is bid and rejected within a lot, it may result in rejection of the lot.

In the event there are two or more identical lowest bids, the District will award to the local vendor (if any). If there is no local vendor, award will be determined in compliance with Public Contract Code 20117.

### b) Award Notification

A Notification of Intent to Award will be issued to all participating Bidders identifying the lowest responsible/responsive Bidder.

Bids are subject to acceptance within sixty (60) days of closing date, and all bids shall remain irrevocably in effect for sixty (60) days after the bid closing date.

### c) Commencement of Services

A written purchase order results in a binding contract without further action by either party. A Purchase Order will be issued once:

- Board authority is granted
- Insurance requirements have been met, if applicable
- Verification of current vendor W-9 Tax Form

### d) Reservations

The District reserves the right to:

- Reject any and all bids, or any part of any bid
- Accept any part of the bids, at prices quoted, to the best advantage of the District, unless Bidder by indicating on bid positively limits his bid to "all or none"
- Waive any informality or minor irregularity in any bid

**7. CLARIFICATION AND INTERPRETATION**

The words “must” or “will” or “shall” in this RFB indicate mandatory requirements. Taking exception to any mandatory requirement may be grounds for rejection of the bid.

The District wants to avoid any misunderstanding where it is assumed that a feature is included in the bid and turns out to be an optional, extra cost feature. Any features that are optional, extra cost items shall be clearly referenced as such in all correspondence, including RFB questions and the written Bid Form.

## SECTION B - GENERAL TERMS AND CONDITIONS

1. The detailed requirements of the Bid Proposal specifications shall supersede any conflicting provisions of these General Conditions.
2. Hereinafter the word "District" means the Board of Education or its authorized representative. The general specifications are for reference only. The District reserves the right to waive any minor variations from specifications and to evaluate the bid based on the determination of what is in the District's best interest and the ability of the items to perform the task for which they are being purchased. The District will make its determination based on specifications set forth in this bid and their applicability to the end-user's needs.
3. **ADDENDA:** The District reserves the right to modify and issue addenda to this RFB. A signed copy of all addenda shall be submitted as part of the bid. Failure to include the addenda may result in a non-responsive submittal. Addenda shall become a part of this RFB and any Agreement, which may result from this solicitation.
4. **AFFIRMATIVE ACTION:** The Long Beach Unified School District is an Affirmative Action/Equal Employment Opportunity Employer and in accordance with applicable state and federal law, does not discriminate in any employment practice on the basis of age (40 and over), ancestry, color, marital status, medical condition (cancer related), national origin, political or union affiliation, physical or mental disability, race, religion, sexual orientation or sex. This policy of affording equal employment opportunities to all persons is in keeping with provisions of Title VII and Title IX amendments of the United States Code, which protect persons against discrimination.
5. **ASSIGNMENT:** No contract awarded under this proposal shall be assigned except with the District's written approval.
6. **ASSIGNMENT BY BIDDER:** Assignment by Bidder to purchasing body rights under Federal law arising from purchase pursuant to bid: In submitting a bid to public purchasing body, the Bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 commencing with Section 16700) or Part 2 of Division 7 of the Business Professions Code, arising from purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the Bidder. The preceding provisions of this section shall be included in full in any specification for the public purchase and shall be included in full in the bid agreement or general provisions incorporated into the bid agreement.
7. **BID PREPARATION AND SUBMISSION:**
  - a. Bids received later than the time and date specified herein will not be considered and will be returned unopened to the Bidder (Government Code Section 53068).
  - b. All prices and other notations must be typewritten or legibly written in ink. Changes or corrections must be initialed in ink by the person signing the bid.
  - c. Bidders shall bid separately on each item, showing unit price and other required information. The unit price shall prevail.
  - d. Bidder shall quote no less than lowest net price, best delivery date, maximum discount terms for prompt payment of at least thirty (30) days, and list manufacturer and model # of the item offered.
  - e. Unless otherwise stated, bid specifications call for equipment and supplies that are new and unused, of current manufacture.
8. **CANCELLATION:** District may, at any time, with or without reason, terminate the Bid Award and compensate Bidder only for goods/services satisfactorily rendered to the date of termination. Written notice by District shall be sufficient to stop further performance of services by Bidder. Notice shall be deemed given when received by the Bidder or no later than three days after the day of mailing, whichever is sooner.
9. **CONTRACT DOCUMENTS:** The complete purchase agreement includes the following documents: The advertisement for bids (when required), the bid and purchase order conditions, the specifications and drawings, the bid of the supplier and its acceptance by the District, the purchase order, performance guarantee, executed agreement, and all amendments thereto. Any of these documents shall be interpreted to include all provisions of the other documents as though fully set out therein.
10. **DEFAULT BY BIDDER:** The District shall hold the Bidder responsible for any damage which may be sustained because of the failure or neglect of the Bidder to comply with any term or condition listed herein or in the purchase order, it being specifically provided and agreed that time shall be of the essence of the contract delivery requirements.
 

If the Bidder fails or neglects to furnish or deliver any of the materials, supplies or services listed herein at the prices named and at the time and places herein stated or otherwise fails or neglects to comply with the specifications and other terms of the contract, the District may, upon written notice to the Bidder, cancel the contract in its entirety or cancel or rescind any or all items affected by such default, and may, whether or not the contract is canceled in whole or in part, purchase the materials, supplies or services elsewhere without notice to the Bidder. The prices paid by the District at the time such purchases are made shall be considered the prevailing market prices. Any extra cost incurred by such default may be collected by the District from the Bidder and the surety on the performance bond, if any.
11. **DELIVERY:** No equipment shall be accepted unassembled; all equipment shall be assembled prior

## SECTION B - GENERAL TERMS AND CONDITIONS (Continued)

to (or within three business days) after delivery; and no charges for transportation, handling, containers, packing, etc., will be allowed unless otherwise specified in the bid. All articles shall be subject to inspection and acceptance or rejection by the District.

1. **FORCE MAJEURE CLAUSE:** The parties to the contract shall be excused from performance there under during the time and to the extent that they are prevented from obtaining, delivering or performing by act of God, fire, strike, loss or shortage of transportation facilities, lockout, or commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party, provided that it is established that the non-performance is not due to the fault or neglect of the party not performing.
2. **PAYMENT:**  
Payment will be made only to the firm name written on the bid. All cash discount (prompt payment terms) shall be taken and computed from the date of acceptance of material or the date of receipt of the invoice, whichever is later.
3. **PERMITS AND LICENSES:** Licenses must be legally held in the name as submitted on bid documents. The Bidder and all of his employees or agents shall secure and maintain in force such licenses and permits as are required by law, in connection with the furnishing of materials, articles or services herein listed.
4. **PRICING:** Unit prices shown on the bid shall be the price per unit of sale as stated herein. For any given item, the quantity multiplied by the unit price shall establish the extended price; the unit price shall govern in the bid evaluation and contract administration.
5. **PROMPT PAYMENT TERMS:** Cash discounts shall be considered in determining low bid if discount offered is for (30) day payment period or longer. Cash discounts for less than thirty (30) days shall not be considered in determining low bid.
6. **PROPERTY OF THE DISTRICT:** All bids and materials submitted become the property of the District and may be used by the District in any way it deems appropriate. In addition, bids received will be subject to the California Public Records Act.
7. **SAFETY AND LEGAL REQUIREMENTS:**
  - a. All materials, equipment or supplies referred to in the bid shall be in full compliance with the safety orders and regulations of the Division of Industrial Safety of the State of California, product labeling and regulations of the California Department of Consumer Affairs, and the minimum standards of the O.S.H.A., and all other laws and ordinances applicable thereto.
  - b. All electrical, radio and electronic equipment, materials, supplies and accessories called for in the specifications must bear the seal of approval of the Underwriters Lab., Inc., and/or the Electrical Testing Laboratories of the City of Los Angeles. Where seals of approval are not visibly identifiable, a signed statement of such approval shall be furnished to the District, if so requested.
  - c. Motor-driven or shock-hazard machinery and appliances must have a 3-wire cord (grounded) and 3-prong plug. If the item is "double-insulated" and so certified by U.L., grounding is not necessary.
  - d. When applicable, will be required to submit Material Safety Data sheets (MSDS) for the items awarded.
8. **TRADE-INS & ALTERNATIVE BID:** The District may offer to purchase certain items conditioned on the agreement of the Bidder to purchase designated equipment and remove same from the District, and stating in the bid the amount that may be deducted from the bid price for furnishing the new material, as provided in § 39523 and § 81454 of the Education Code. Condition of the equipment to be turned in is to be "as is". Equipment may be inspected if desired. Bidder may either offer an exchange allowance or an alternative quotation on the same item without trade-in.  
  
Unless otherwise stated, bid specifications call for equipment and supplies that are new and unused, of current manufacture.
9. **WARRANTY:** Period shall begin on the date that the article is placed into service by the user. Each Bidder shall state in writing the warranty on parts and labor as applicable. Additionally, Bidder shall warrant all products to be free from defects in both materials and workmanship, and will guarantee replacement and/or full refund of the purchase price. Warranty period shall begin on the date that the article is placed into service by the user.
10. **WITHDRAWAL OR CHANGE OF BID:** Bids may be withdrawn only by letter or in person prior to the stated closing time. No change(s) or addition(s) or correction(s) or withdrawal of bids will be permitted after the stated closing time. Bids may only be withdrawn after closing with consent of the District.

## COMPANY INFORMATION FORM

To: Board of Education of the Long Beach Unified School District

In compliance with the Request for Bids, the undersigned, acting for the firm named, hereby proposes and agrees, if this bid be accepted, to furnish the items and/or services at the prices quoted opposite each item, within the times indicated, and in accordance with the instructions, general conditions, and specifications set forth in these bid documents.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: (     ) \_\_\_\_\_

E-mail: \_\_\_\_\_

Tax ID Number: \_\_\_\_\_

**NON-COLLUSION STATEMENT:** Bidder hereby certifies that this bid is genuine and not collusive or made in the interest or behalf of any person not herein named, and that the Bidder has not directly or indirectly, induced or solicited any other Bidder to put in sham bid, or any other person, firm, or corporation to refrain from bidding, and the Bidder has not in any manner sought by collusion to secure for himself an advantage over any other Bidder.

**OBJECTION TO TERMS:** If the Bidder has any objections to the terms of this RFB, these objections must be clearly addressed, in writing, on the a cover letter which shall accompany the bid and shall specifically reference the particular section number, paragraph, and page number of the objection.

\_\_\_\_\_  
Principal Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



## PIGGYBACK CLAUSE

Company Name: \_\_\_\_\_

For the term of the agreement and any mutually agreed extensions pursuant to this request for bids, **at the option of the vendor**, other school districts, community college districts, any public corporation or agency, including any county, city, town or public corporation or agency within the State of California, may purchase the identical item(s) at the same price and upon the same terms and conditions pursuant to sections 20118 of the Public Contract Code.

The Long Beach Unified School District waives its right to require such other districts and offices to draw their warrants in the favor of the District as provided in said Code sections.

**Please initial one of the following:**

Piggyback option granted \_\_\_\_\_

Piggyback option ***not*** granted \_\_\_\_\_

***Acceptance or rejection of this clause will not affect the outcome of this bid.***

Exclusions:

---

---

---

---

---

---

---



**BID FORM**  
(PAGE 1 OF 5)

COMPANY NAME: \_\_\_\_\_

**LOT 1 – AIRWOLF 3D AXIOM DUAL DIRECT DRIVE 3D PRINTER**

DESCRIPTION	TOTAL
AIRWOLF 3D AXIOM DUAL DIRECT DRIVE 3D PRINTER	

**LOT 2 – AIRWOLF 3D EVO 22 ADDITIVE MANUFACTURING CENTER**

DESCRIPTION	TOTAL
AIRWOLF 3D EVO 22 ADDITIVE MANUFACTURING CENTER	

**LOT 3 – CREAFORM 3D SCANNER**

DESCRIPTION	TOTAL
CREAFORM 3D SCANNER	

**LOT 4 – DOBOT MAGICIAN**

DESCRIPTION	TOTAL
DOBOT MAGICIAN	

**LOT 5 – FORMLABS 3 COMPLETE PACKAGE**

DESCRIPTION	TOTAL
FORMLABS 3 COMPLETE PACKAGE	

**BID FORM**  
(PAGE 2 OF 5)

COMPANY NAME: \_\_\_\_\_

**LOT 6 – FORMLABS 3D PRINTER**

DESCRIPTION	TOTAL
FORMLABS 3D PRINTER	

**LOT 7 – FUSION3 410 - 3D PRINTER**

DESCRIPTION	TOTAL
FUSION3 410 - 3D PRINTER	

**LOT 8 – GALOMB MIX-MOLDER BUNDLE OFFER**

DESCRIPTION	TOTAL
GALOMB MIX-MOLDER BUNDLE OFFER	

**LOT 9 – HAAS MINIMILL-EDU**

DESCRIPTION	TOTAL
HAAS MINIMILL-EDU	

**LOT 10 – HAAS S MINIMILL**

DESCRIPTION	TOTAL
HAAS S MINIMILL	

**BID FORM**  
(PAGE 3 OF 5)

COMPANY NAME: \_\_\_\_\_

**LOT 11 – HAAS S MINIMILL AND SIMULATOR**

DESCRIPTION	TOTAL
HAAS S MINIMILL AND SIMULATOR	

**LOT 12 – HAAS ST-10 TURNING CENTER**

DESCRIPTION	TOTAL
HAAS ST-10 TURNING CENTER	

**LOT 13 – HAAS TRT160 TILTING ROTARY TABLE**

DESCRIPTION	TOTAL
HAAS TRT160 TILTING ROTARY TABLE	

**LOT 14 – HAAS VF-2SS WITH TRT160**

DESCRIPTION	TOTAL
HAAS VF-2SS WITH TRT160	

**LOT 15 – LAGUNA CNC ROUTER**

DESCRIPTION	TOTAL
LAGUNA CNC ROUTER	

**BID FORM**  
(PAGE 4 OF 5)

COMPANY NAME: \_\_\_\_\_

**LOT 16 – LAGUNA FIBER LASER CUTTING MACHINE**

DESCRIPTION	TOTAL
LAGUNA FIBER LASER CUTTING MACHINE	

**LOT 17 – MARKFORGED ONYX PRO 3D PRINTER**

DESCRIPTION	TOTAL
MARKFORGED ONYX PRO 3D PRINTER	

**LOT 18 – ROLAND MDX50 CNC MILLING MACHINE**

DESCRIPTION	TOTAL
ROLAND MDX50 CNC MILLING MACHINE	

**LOT 19 – ROLAND MDX540A CNC MILLING MACHINE**

DESCRIPTION	TOTAL
ROLAND MDX540A CNC MILLING MACHINE	

**LOT 20 – STRATASYS F370 PRINTER SYSTEM**

DESCRIPTION	TOTAL
STRATASYS F370 PRINTER SYSTEM	

**BID FORM**  
(PAGE 5 OF 5)

COMPANY NAME: \_\_\_\_\_

**LOT 21 – ULTIMAKER S5 - 3D PRINTER**

DESCRIPTION	TOTAL
ULTIMAKER S5 - 3D PRINTER	

**LOT 22 – UNIVERSAL LASER PLS6.75**

DESCRIPTION	TOTAL
UNIVERSAL LASER PLS6.75	

**LOT 23 – UNIVERSAL LASER PLS6.150D**

DESCRIPTION	TOTAL
UNIVERSAL LASER PLS6.150D	

**PRICE WORKSHEET**

**LOT 1 – AIRWOLF 3D AXIOM DUAL DIRECT DRIVE 3D PRINTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1		AXIOM DUAL DIRECT DRIVE 3D PRINTER <ul style="list-style-type: none"> <li>• One-year parts and labor warranty</li> <li>• Six-month unlimited technical support (Live Telephone)</li> </ul>		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 1 - TOTAL</b>	

**LOT 2 – AIRWOLF 3D EVO 22 ADDITIVE MANUFACTURING CENTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
2		3D EVO 22 ADDITIVE MANUFACTURING CENTER <ul style="list-style-type: none"> <li>• One-year parts and labor warranty</li> </ul>		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 2 - TOTAL</b>	



**PRICE WORKSHEET**

**LOT 3 – CREAFORM 3D SCANNER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	SYS-ACA-SCP1	ACADEMIA 3D SCANNER Includes: <ul style="list-style-type: none"> <li>• Customer Care - Educational Package</li> </ul>		
1	SFT-ACA-VXEDUL	ACADEMIA SOFTWARE BUNDLE – EDUCATIONAL – MULTI LICENSE Includes: <ul style="list-style-type: none"> <li>• 50 Network Licenses</li> </ul>		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 3 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 4 – DOBOT MAGICIAN**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
20	MAGICIANBASIC	DOBOT MAGICIAN BASIC VERSION Includes: <ul style="list-style-type: none"> <li>• Robot Arm, 3D Printing Kit, Pneumatic Grippers and Suction Cup, Writing/Drawing Tool</li> </ul>		
1	MLP-CONV	MICRO PRODUCTION LINE CONVEYOR KIT Includes: <ul style="list-style-type: none"> <li>• Conveyor, Proximity Sensor, Color Sensor, Colored Blocks</li> </ul>		
1	LINEAR RAIL	DOBOT LINEAR RAIL		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 4 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 5 – FORMLABS 3 COMPLETE PACKAGE**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	PKG-F3-COMplete	FORM 3 COMPLETE PACKAGE		
1	F3-PRINTER	FORM 3 3D PRINTER		
1	SVC-PP-24V	FORMLABS EXTENDED PRO SERVICE PLAN AND EXTENDED WARRANTY		
1	FH-CU-01	FORM CURE		
1	FH-WA-01	FORM WASH		
1	RS-F2-GPGR-04	GREY RESIN CARTRIDGE (GPGR04)		
1	RT-F3-01	RESIN TANK (FORM 3)		
1	FK-F3-01	FINISH KIT (FORM 3)		
1	BP-F3-01	BUILD PLATFORM (FORM 3)		
			<b>SUBTOTAL</b>	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 5 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 6 – FORMLABS 3D PRINTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
2	KITSONLY-F2-PRINTER	FORM 2 3D PRINTER		
1	KITSONLY-FH-CU-01	FORM CURE		
1	KITSONLY-FH-WA-01	FORM WASH		
2	KITSONLY-SVC-PP-01	FORMLABS PRO SERVICE PLAN		
1	RS-F2-DUCL-02	DURABLE RESIN CARTRIDGE		
1	RS-F2-TOTL-05	TOUGH RESIN CARTRIDGE		
1	KITSONLY-RS-F2-GPWH-04	WHITE RESIN CARTRIDGE (GPWH04)		
1	KITSONLY-RS-F2-GPBK-04	BLACK RESIN CARTRIDGE (GPBK04)		
1	KITSONLY-RS-F2-GPCL-04	CLEAR RESIN CARTRIDGE (GPCL04)		
1	KITSONLY-RS-F2-GPGR-04	GREY RESIN CARTRIDGE (GPGR04)		
3	KITSONLY-BP-F2-01	BUILD PLATFORM (FORM 2)		
1	KITSONLY-FK-F2-01	FINISH KIT (FORM 2)		
6	KITSONLY-RT-F2-01	RESIN TANK (FORM 2)		
			<b>SUBTOTAL</b>	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 6 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 7 – FUSION3 410 - 3D PRINTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	F410	FUSION 3D PRINTER - STANDARD WITH .4MM PRINT HEAD		
1	R-FILTER	HEPA / CARBON FILTER ASSEMBLY		
1	CART	F SERIES STORAGE CART		
1	SVCPLN	ENHANCED SUPPORT PLAN - 1 Year (support team assistance beyond break/fix issues)		
1	R-F410-PH-.4	PRINT HEAD W/ HARDENED STEEL .4MM NOZZLE		
1	R-F410-PH-.6	PRINT HEAD W/ HARDENED STEEL .6MM NOZZLE		
1	R-F410-PH-.8	PRINT HEAD W/ HARDENED STEEL .8MM NOZZLE		
1	R-PRINTBED	SET OF 3 REPLACEMENT PRINT BEDS		
1	R-FILTER-REPKIT	6 MONTH SUPPLY (6 SETS) OF HEPA / CARBON REPLACEMENT FILTERS		
			<b>SUBTOTAL</b>	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 7 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 8 – GALOMB MIX-MOLDER BUNDLE OFFER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	MMS-001-1	MIX-MOLDER BUNDLE OFFER Includes: <ul style="list-style-type: none"> <li>• 1 - MODEL S-100 Benchtop Injection Molder w/ AP4 accessory pkg.</li> <li>• 1 - MODEL M-100 Mixing Device w/ AP5 accessory pkg</li> <li>• 2 - Electronic control box - dual display P.I.D.</li> <li>• 1 - Cleaning Tool Kit - Deluxe CTK-001-2</li> </ul>		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 8 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 9 – HAAS MINIMILL-EDU**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1		HAAS MINIMILL-EDU		
1		SPINDLE <ul style="list-style-type: none"> <li>6000-rpm, 40 taper, belt drive, 7.5 hp (5.6 kW) vector drive</li> </ul>		
1		10-STATION AUTOMATIC TOOL CHANGER Includes: <ul style="list-style-type: none"> <li>Control Simulator Module</li> </ul>		
1		4TH-AXIS DRIVE AND WIRING		
1		CONVENIENCE PACKAGE Includes: <ul style="list-style-type: none"> <li>front work table and storage shelf, toolholder vise, side rack, and toolholder tray</li> </ul>		
1	DX6	KURT VISE		
1	KENNACERT2K	KENNAMETAL TOOLING CERTIFICATE		
			<b>SUBTOTAL</b>	
			<b>INSTALLATION AND TRAINING</b>	
			4 hours on site training and a 3 day training class for up to 3 employees	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 9 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 10 – HAAS S MINIMILL**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1		HAAS S MINIMILL Includes: <ul style="list-style-type: none"> <li>CT-Style Tool Changer Gripper</li> </ul>		
1		WIRELESS INTUITIVE PROBING SYSTEM; RENISHAW Includes: <ul style="list-style-type: none"> <li>Haas Visual Programming System, macros, spindle orientation, and coordinate rotation and scaling</li> </ul>		
1		AUTOMATIC AIR GUN OPTION		
1		MINIMUM QUANTITY LUBRICATION SYSTEM; <ul style="list-style-type: none"> <li>Requires the Automatic Air Gun option</li> </ul>		
1		HIGH-SPEED MACHINING CONTROLS		
1		10 PULL STUDS, CT40, TOOLING		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND TRAINING</b> 4 hours on site training and a 3 day training class for up to 3 employees				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 10 - TOTAL</b>				



**PRICE WORKSHEET**

**LOT 11 – HAAS S MINIMILL AND SIMULATOR**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1		HAAS S MINIMILL		
1		WIRELESS INTUITIVE PROBING SYSTEM; RENISHAW Includes: <ul style="list-style-type: none"> <li>• Haas Visual Programming System, macros, spindle orientation, and coordinate rotation and scaling</li> </ul>		
1		AUTOMATIC AIR GUN OPTION		
1		MINIMUM QUANTITY LUBRICATION SYSTEM; <ul style="list-style-type: none"> <li>• Requires the Automatic Air Gun option</li> </ul>		
1		HIGH-SPEED MACHINING CONTROLS		
1		10 PULL STUDS, CT40, TOOLING		
1	5VP-HAAS-00365	CHICK VMC WORK PKG, 5 PCS		
1	5DS1030-15-40-01	CHICK SYSTEM 5: 1030 QWIKCHANGE DUAL STATION JAW SET, 10PCS		
1	5OL1540	CHICK SYSTEM 5: 1540 ONELOK (W150, L400, H135), 10PCS		
1		SIMULATOR		
			<b>SUBTOTAL</b>	
			<b>INSTALLATION AND TRAINING</b> 4 hours on site training and a 3 day training class for up to 3 employees	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 11 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 12 – HAAS ST-10 TURNING CENTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	ST-10	HAAS ST-10 TURNING CENTER		
1		AUTOMATIC TOOL PRESETTER, MANUAL AND AUTOMATIC MODES		
1		BELT-TYPE CHIP CONVEYOR		
1		MANUAL TAILSTOCK WITH HYDRAULIC QUILL		
1		BOLT-ON TOOLHOLDER KIT Includes: <ul style="list-style-type: none"> <li>• 2 - 1.25" ID</li> <li>• 2 - 1" ID</li> <li>• 1 - coolant block</li> <li>• 9 - turret face wedge/clamp</li> </ul>		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND TRAINING</b> 4 hours on site training and a 3 day training class for up to 3 employees				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 12 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 13 –HAAS TRT160 TILTING ROTARY TABLE**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	TRT160	HAAS TILTING ROTARY TABLE <ul style="list-style-type: none"> <li>• Sigma 5 Servomotor Drive, for use on 2011 or newer Haas mills</li> <li>• This rotary unit is configured to connect directly to a Haas mill equipped with optional axis drives. It does not include a Haas rotary control unit. A separate Haas rotary control unit is available at additional cost.</li> </ul>		
1	4AXD	4TH AXIS DRIVE AND WIRING		
1	5AXD	5TH AXIS DRIVE AND WIRING		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND TRAINING</b> 4 hours on site training and a 3 day training class for up to 3 employees				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 13 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 14 – HAAS VF-2SS WITH TRT160**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	VF-2SS	HAAS VERTICAL MACHINING CENTER		
1		4TH-AXIS DRIVE AND WIRING		
1		5TH-AXIS DRIVE AND WIRING (4TH-AXIS DRIVE NOT INCLUDED)		
1		WIRELESS INTUITIVE PROBING SYSTEM; RENISHAW Includes: <ul style="list-style-type: none"> <li>• The HAAS visual programming system, macros, spindle orientation, and coordinate rotation and scaling.</li> </ul>		
1		CHIP AUGER		
1		HIGH-SPEED MACHINING CONTROLS		
1		10 PULL STUDS, CT40, TOOLING		
1	TRT160	HAAS TILTING ROTARY TABLE		
1		ROTARY BRAKE BOOSTER OPTION		
			<b>SUBTOTAL</b>	
			<b>INSTALLATION AND TRAINING</b> 4 hours on site training and a 3 day training class for up to 3 employees	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 14 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 15 – LAGUNA CNC ROUTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	MCNC SS2 4x8 HSD	LAGUNA HSD SMARTSHOP 4 X 8 CNC ROUTER		
1	CNC Support	CNC SUPPORT KIT-MCNC SS2 4X8 HSD ATC-0158		
1	Becker SV40	SV400/1 Includes: <ul style="list-style-type: none"> <li>276 cfm open flow, 10.2" HgV max vacuum, 6.6 kW (8.9 HP) motor, Integrated relief valve and fittings</li> </ul>		
1	Tooling Kit - Smartshop	TOOLING KIT - SMARTSHOP II, SUV, III Includes: <ul style="list-style-type: none"> <li>1 - 1-1/2" straight bit, 2 - 1/4" down shear spiral, 2 - 3/8" down shear spiral, 1 - 90 degree v-bit, 2 - 1/4" compression bits, 2 - 3/8" compression bits, 2 - 1/4" ER32 collets, 2 - 3/8" ER32 collets, 1 - 10mm ER32 collet, 3 - 1/2" ER32 collet, 2 - 5mm drill bits</li> </ul>		
1		AIR COOLANT SYSTEM_LIQUID FREE <ul style="list-style-type: none"> <li>This is part of a Kit</li> </ul>		
	Tooling Kit - Aluminum	TOOLING KIT – ALUMINUM Includes: <ul style="list-style-type: none"> <li>1/4" Shank, 1/2" Up-Cut, 5/8" Down-Cut, 5/8" Up-Cut, 3/4" Up-Cut, 1-1/4" Up-Cut, 1/2" Down-Cut, 1/2" Up-Cut, 1/4" Up-Cut</li> </ul>		
1	MDCCF32201	C FLUX 3HP 220V CYCLONE		
2	DC3700-0145	DUST COLLECTOR KIT FOR 1HP		
<b>SUBTOTAL</b>				
<b>2 DAY ON-SITE TRAINING</b>				
<b>SHIPPING &amp; HANDLING</b>				
<b>RIGGING / INSTALLATION</b>				
<b>LOT 15 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 16 – LAGUNA FIBER LASER CUTTING MACHINE**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	MCNC LTL FIB	FIBER LASER CUTTING MACHINE LTL LF3652 1000W IPG		
1	MDCLA752201	LASER CUTTING FUME EXTRACTOR 7.5HP 220V 1 PH		
			SUBTOTAL	
			3 DAY ON-SITE TRAINING	
			SHIPPING & HANDLING	
			RIGGING / INSTALLATION	
			<b>LOT 16 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 17 – MARKFORGED ONYX PRO 3D PRINTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
2	F-PR-4002	MARKFORGED ONYX PRO 3D PRINTER Includes: <ul style="list-style-type: none"> <li>• One Year Parts Warranty</li> <li>• Markforged Eiger Software</li> <li>• 1 - Spool Onyx (Nylon/Micro Carbon Fiber Blend) 800 cm<sup>3</sup></li> <li>• 1 - 50 cm<sup>3</sup> Fiberglass CFF Spool</li> <li>• 3 - Nozzle Pack</li> <li>• 1 - Pelican Dry Box</li> </ul>		
2	F-SP-4002	SUPERIOR 3D SUCCESS PLAN COMPREHENSIVE COVERAGE, YEAR 1		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND ½ DAY ON-SITE TRAINING</b>				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 17 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 18 – ROLAND MDX50 CNC MILLING MACHINE**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	MDX-50	ROLAND MDX50 CNC MILLING MACHINE WITH AUTOMATIC TOOL CHANGER FOR UP TO 5 TOOLS		
1	ZCL-50	ROTARY 4 <sup>TH</sup> AXIS UNIT		
1	ZH-1/8	1/8" TOOL HOLDER		
1	ZC-23-635	1/4" COLLET		
1	EM-KIT-SR	SHORT REACH TOOL SET		
1	EM-KIT-LR	LONG REACH TOOL SET		
1	TAPE-MILLING	DOUBLE SIDED TAPE FOR MILLING		
1	MILLFOAM-10	10" URETHANE FOAM BLANKS		
1	RDM	HEAVY DUTY TABLE WITH CASTERS		
			SUBTOTAL	
			INSTALLATION AND 4 DAY TRAINING	
			SHIPPING & HANDLING	
			<b>LOT 18 - TOTAL</b>	



**PRICE WORKSHEET**

**LOT 19 – ROLAND MDX540A CNC MILLING MACHINE**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	MDX-540A	ROLAND MDX540A CNC MILLING MACHINE WITH AUTOMATIC TOOL CHANGER		
1	ZCL-540	ROTARY 4 <sup>TH</sup> AXIS UNIT		
1	ZBX-540E	SAFETY COVER FOR MDX-540		
1	ZTT-540	T-SLOT TABLE		
1	US-COL7-1/8	1/8" COLLET		
1	US-COL7-5	3/16" COLLET		
1	US-COL7-1/4	1/4" COLLET		
1	EM-KIT-SR	SHORT REACH TOOL SET		
1	EM-KIT-LR	LONG REACH TOOL SET		
1	MILLFOAM-6	6" URETHANE FOAM BLANKS		
1	MILLFOAM-10	10" URETHANE FOAM BLANKS		
1	PATRDM-540	TABLE FOR MDX540 TO ACCOMMODATE MDX540 SAFETY COVER, 43" X 43" X 36", LAMINATED TOP W/PVC EDGE, PAINTED STEEL FRAME, LOCKING CASTERS		
			<b>SUBTOTAL</b>	
			<b>INSTALLATION AND ½ DAY TRAINING</b>	
			<b>SHIPPING &amp; HANDLING</b>	
			<b>LOT 19 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 20 – STRATASYS F370 PRINTER SYSTEM**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	EDU-00059	STRATASYS F370 PRINTER 1 YR EDUCATION PACKAGE Includes: <ul style="list-style-type: none"> <li>• F370 Printer system</li> <li>• 1 Yr Partner Emerald Care Stratasys F370</li> <li>• F370 Extended Material Start-Up Kit: 1 60 ci Spool ea: PLA Red, ASA Blue, QSR Support; 2 60 ci Spool ea: ABS Ivory, PC-ABS Black</li> </ul>		
1	570-10800	SCA 3600 HT SUPPORT CLEANING APPARATUS. Includes: <ul style="list-style-type: none"> <li>• One Year Warranty</li> <li>• 102 Liter (27 Gallon) Tank Capacity</li> <li>• UL,CSA, CE Approved</li> <li>• 208-240VAC/50/60Hz; 20A, single phase, grounded</li> </ul>		
1	300-00600	P400-SC SOLUBLE CONCENTRATE (case of 12)		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND ½ DAY TRAINING</b>				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 20 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 21 – ULTIMAKER S5 - 3D PRINTER**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
2	UMS5	ULTIMAKER S5 - 3D PRINTER		
			SUBTOTAL	
			SHIPPING & HANDLING	
			<b>LOT 21 - TOTAL</b>	

**PRICE WORKSHEET**

**LOT 22 – UNIVERSAL LASER PLS6.75**

<b>QTY</b>	<b>MODEL</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>EXTENDED</b>
1	PLS6.75	PLS6.75 BASE UNIT* - 32"X18" WORK AREA, Includes: <ul style="list-style-type: none"> <li>• Color Options: BLUE</li> <li>• 2.0" Lens Kit</li> <li>• UL-75 Watt Imaging Cartridge</li> <li>• Standard Coaxial Air Assist - VLS/PLS</li> <li>• Platforms Backsweep - VLS/PLS Platform</li> <li>• Downdraft Cutting Table (VLS/PLS6.60)</li> <li>• One Touch Laser Photo Software</li> <li>• Direct Import Feature</li> </ul>		
1	1000 IQ	BOFA - ADVANTAGE 1000 IQ FILTRATION / FUME EXTRACTION SYSTEM		
1		COREL DRAW X8		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND ½ DAY TRAINING</b>				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 22 - TOTAL</b>				

**PRICE WORKSHEET**

**LOT 23 – UNIVERSAL LASER PLS6.150D**

QTY	MODEL	DESCRIPTION	UNIT PRICE	EXTENDED
1	PLS 6.150D	PLS 6.150D LASER SYSTEM-150W, COMPATIBLE WITH CO2 & FIBER LASERS, Includes: <ul style="list-style-type: none"> <li>• 32" x 18" x 9" Laser Cut/Etch Work Area</li> <li>• 220V Single Phase 20a</li> <li>• ULS Driver Software with Material Library</li> <li>• VLS/PLS Platform LENS KIT-2.0</li> <li>• ULR-75W Quick Change Laser (1)</li> <li>• ULR-75W Quick Change Laser (1)</li> <li>• POWER CORD, 20 AMP C19 L6-20P UL/CSA</li> <li>• Air Assist Standard VLS675</li> <li>• VLS/PLS Back Sweep Air Assist Kit</li> <li>• Honeycomb Cutting table for PLS 675</li> <li>• 1-Touch Laser Photo Software</li> <li>• CorelDraw X9 – single seat license</li> <li>• ULS Quick Start Curriculum/Project Guide</li> <li>• 2 Year Warranty on Laser Tube &amp; Base Unit</li> </ul>		
1	1000 IQ	BOFA - ADVANTAGE 1000 IQ FILTRATION / FUME EXTRACTION SYSTEM		
1		ROTARY AXIS FOR LASER CUTTING ON CYLINDRICAL SURFACES		
<b>SUBTOTAL</b>				
<b>INSTALLATION AND 1 ½ DAY TRAINING</b>				
<b>SHIPPING &amp; HANDLING</b>				
<b>LOT 23 - TOTAL</b>				