

## **Scope of Work**

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### **I. SCOPE OF SOLICITATION**

Clemson University is seeking offers for a 3D Wax Printer. The 3D Systems ProJet CPX 3000 Plus Wax Printer is preferred; however, equivalents will be accepted if they meet the mandatory minimum requirements as specified herein. Award will be made to one Offeror. Award will be made to the lowest responsible and responsive bidder(s).

### **II. INSTRUCTIONS TO OFFERORS**

1. INFORMATION FOR OFFERORS TO SUBMIT - In addition to information requested elsewhere in this solicitation, Offerors should submit the following information for purposes of evaluation:

- All Offerors must include the name of the manufacturer and model number along with detailed product information with offer. Complete literature must be submitted as an attachment in the Bid Attachment Response in the online bid document. Any deviation from specifications, indicated herein, must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible. Include Offeror's name on the cover of any specifications or descriptive literature submitted with offer.

### **III. SCOPE OF WORK / SPECIFICATIONS**

#### **Requirements:**

The following requirements are mandatory minimum requirements for the 3D Wax Printer as specified in electronic bid document.

#### **3D Wax Printer Specifications**

Printing Modes	HD - High Definition	UHD - Ultra High Definition	XHD - Xtreme High Definition
Net Build Volume	11.75 x 7.3 x 8 inches	11.75 x 7.3 x 8 inches	8 x 7 x 6 inches

(xyz)

Resolution	HD Mode 328 x 328 x 700 DPI (xyz); 36 $\mu$ layers 328 x 328 x 700 DPI (xyz); 36 $\mu$ layers UHD Mode 656 x 656 x 1300 DPI (xyz); 20 $\mu$ layers XHD Mode 656 x 656 x 1600 DPI (xyz); 16 $\mu$ layers 656 x 656 x 1600 DPI (xyz); 16 $\mu$ layers
Accuracy (typical)	0.001-0.002 inch (0.025-0.05 mm) per inch of part dimension
E-mail Notice Capability	Yes
5 Year Printhead Warranty	Standard
Build Material	Wax material developed specifically for high quality casting patterns.
Support Material	Non-toxic wax support material with dissolvable hands-free removal
Electrical	100-127 VAC, 50/60 Hz, single-phase, 15A; 200-240* VAC, 50 Hz, single-phase, 10A
Software Capability	Easy build job set-up, submission and job queue management Automatic part placement and build optimization tools Part stacking and nesting capability Extensive part editing tools Automatic support generation Job statistics reporting tools
Network Compatibility	Network ready with 10/100 Ethernet interface
Client Operating System	Windows XP Professional, Windows Vista, Windows 7
Input Data File Formats	STL and SLC

**Additional Requirements:**

Printer must come standard with software (non-transferable license), installation material kit (two cartridges each of Model and Support), two build platforms, Country Kit, and Warranty to include one year parts and labor with five year print head (part only).

Additional options being requested in lines 2, 3, 4, 5, & 6 of online bid document include installation, build material, support material, build platforms and finisher. See online bid document for specifics on these items.

**IV. TERMS AND CONDITIONS – SPECIAL**

Not applicable

**V. APPENDICES TO SCOPE OF WORK**

Not Applicable

**VI. BIDDING SCHEDULE**

See online bid document for item listing and space provided for pricing.