

UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

Ceramics Decal Printer

Title

John Gargano

Name of Submitter
(Faculty or Staff Only)

Department of Visual Arts

Organization

Title: Ceramics Decal Printer Date: 7/14/17
Name (Contact Person): Professor John Gargano
Address: 116 Fletcher Hall
Phone Number: 2-5330 Email: gargano99@louisiana.edu
Department/College/Org: Department of Visual Arts

ABSTRACT (250 words or less):

This request is to purchase a digital ceramic decal printer and accompanying computer, software, and supplies for the establishment of a digital ceramic decal printing facility within the ceramics area of the Department of Visual Arts. Historically this process was expensive and difficult to utilize due to the specialized nature of creating ceramic decals but recent innovations in ceramic substrates allow for the creation of affordable and reliable ceramic decal printers. The new equipment allows students to incorporate computer-based processes into the production of ceramic work. This will integrate traditional hand-craftsmanship, computer technology, as well as fine arts and commercially based areas of ceramic production. This new process can seamlessly be incorporated into the curriculum and work with our current equipment.

A. Purpose of grant and impact to student body as a whole

The purpose of this request is to incorporate new technology into the ceramics curriculum to broaden the scope of student experience by creating a digital decal printing facility within the ceramics area in the Department of Visual Arts. The use of ceramic decals has a history in commercial and fine art ceramic production. Historically this process was expensive and difficult to utilize due to the specialized nature of creating ceramic decals. The recent innovations in ceramic substrates allow for the creation of affordable and reliable ceramic decal printers

This equipment will allow students, utilizing skills learned in other digitally based art media, to experiment, problem solve, and express themselves in a new manner. Digital processes are currently utilized throughout the entire visual arts curriculum. The implementation of this equipment would bring the ceramics area into alignment with the department and college in the balanced use of traditional and digital methodologies. Students will benefit from the crossover of ideas between digital processes and traditional handcrafted media.

The introduction of this equipment will help UL Lafayette and the Department of Visual Arts maintain its standards of excellence by providing its students and faculty with current and viable technologies. The spirit of experimentation and expression this infusion of equipment brings will keep our programs cutting edge and attractive to potential students. The ability for faculty to teach traditional approaches while integrating evolving concepts and technologies falls in line with the spirit and letter of the university and College of the Arts mission statements.

B. Projected Lifetime of Enhancement

The equipment and software requested in this enhancement will last five to seven years. Replacement parts for the printer will extend its lifetime beyond seven years.

Expected Service Life:

Ricoh 820DN Ceramic Decal Printer: 5-7 years

Epson scanner: 5-7 years

iMac: 5-7 years

Adobe Creative Cloud: 5-7 years

C. Person Responsible For Implementation, Installation, Maintenance, and Operation

The requested equipment will be housed in the ceramics studio, 116A Fletcher Hall. This room is secured, and accessible to students during class time and Professor Gargano's office hours. Professor Gargano will be responsible for all aspects of the implementation, installation, maintenance and operation of the equipment based on the included Ricoh maintenance contract.

Training

John Gargano is a Full Professor at the University, with over 25 years of experience building and maintaining ceramics equipment and kilns and has worked extensively with Adobe software and digital imagery for websites and photographic documentation.

D. Equipment Budget and Justification

1. Digital Ceramic Technologies Large Format Printing System

Ricoh 820DN – 12” x 18” capacity
Ricoh SP 820DN modified to print with ceramic toners.
150Grams of each color toner - 500 Sheets of decal paper
Covercoat/Flux for 300 sheets - Unlimited telephone support
Free Video Training or Training at our shop - Ricoh manufacturers warranty and
Maintenance contract

This equipment is required to print ceramic decals from digital image files. The ceramic decals are then fixed to a ceramic surface and fired in place.

Quantity: 1 Price: \$9295.00 Total: \$9295.00 Shipping: Free

2. Apple IMac 27 inch with Retina 5k

3.3 GHz Quad-Core Intel Core I5
16GB 1867MHz DDR3 SDRAM
2TB Fusion Drive
AMD Radeon R9 M395 with 2GB video memory
Apple Magic Mouse & Wireless Keyboard
Accessory Kit

This computer will enable students and faculty to create and/or manipulate imagery used to print ceramic decals and will be connected to the ceramic decal printer.

Quantity: 1 Price: \$2,279.00 Total: \$2,279.00 Shipping: Free

3. Adobe Creative Cloud 2017 Student and Teacher

This Adobe software is the industry standard programs used for the creation and manipulation of digital imagery. Photoshop and Illustrator are programs used by all areas in the college that utilize digital image files. These programs work directly with the printer to insure consistently high quality printing of digital files. Currently all Adobe products are purchased through a monthly subscription to access the software via internet connectivity.

Quantity: 1 Price: \$19.99/month Total: \$1199.40 for 5 year access Shipping: N/A

4. Epson Expression 11000XL- Graphic Arts Scanner

This large format scanner will be used by students and faculty to digitize printed imagery, handmade imagery and actual objects. These scans will be manipulated and formatted for decal printing with the Adobe software.

Quantity: 1 Price: \$2,699.99 Total: \$2,699.99 Shipping: Free

5. Printer Supplies & Decal Paper

This includes toner, covercoats, supplies and ceramic decal paper specifically designed for the printing of kiln fired ceramic decals.

Quantity: N/A Price: \$1300.00

Total: \$1300.00

Shipping: Free

6. iMac Apple Care Protection Plan

This item supports the maintenance of the iMac computers

Quantity: 1 Price: \$119.00

Total: \$119.00

Shipping: Free

Budget Proposal

1. Equipment	\$9,295.00	(1)	Digital Ceramic Technologies Large Format Printing System Ricoh 820DN – 12” x 18” capacity
	\$2,279.00	(1)	Apple Imac 27-inch: 3.3GHz
	\$2,699.99	(1)	Epson Expression 11000XL- Photo Scanner
2. Software	\$1,199.40	(1)	Adobe Creative Cloud 2017 5 year subscription
3. Supplies	\$1,300.00		Printer Supplies & Decal Paper
4. Maintenance	\$119.00		iMac Apple Care Protection
5. Personnel	\$0		
6. Other	\$0		
TOTAL:	\$16,892.39		

5. Additional Information

None

6. Previous STEP funding

None