

Student Technology Fee

Grant Proposal

2018.001

FY 2018-19

emailed
12/10/18

Ron Wright

Comment: CNC is good candidate for funding.
could also see use from other departments

Tracy Brown 

Comment: Workstations will need to follow standard policies if will
be connected to the network.

Shawn Parr

Comment: Includes non-network connected workstations
will need to discuss configuration + management

Chris Parish

Comment: Computer would need a local user account
set up.

Heath Fitts

Comment: H.F.

FF #1

Northwestern State University
Request for Student Technology Fee Project Funds
Project Summary and Signature Form

Title of Project: <u>Scenic Lab Safety and Creative Technology</u>	
Department / Organization: <u>Theatre and Dance/ CAPA</u>	
Project Contact(s): <u>Robert Richoux</u>	
What is the expected number of students this project will serve the first year: <u>200 Students</u>	
<p>Summary of Project (DO NOT EXCEED 250 WORDS) (The following items should be included in your summary: A general overview of the program along with how it will be implemented, a description of the population that this project will serve now and in the future, the direct benefits students will receive from this project, how this program will improve the service currently provided to our students, and any negative aspects that may result if this program is not funded.)</p> <p>There is a serious need for safety and technology upgrades and we are proposing to add 4 key pieces of equipment to address that. The SawStop Table Saw and Panel Saw will meet our safety goals and allow us to meet the standards of most scenic shops in other colleges and professional theatres, while the ShopBot CNC Router and the Creative Conners Revolve equipment will set us apart while allowing for cross-departmental collaboration. The ShopBot is similar to a large-scale 3D printer but instead cuts material away from lumber. The Creative Conners gear will allow our productions to have stage magic and movement that most theatres work with these days. The equipment in our scene shop is outdated and unsafe. This grant will give our department the boost in technology to move forward with pursuing a BFA in Theatre: Technical Production; and allow us to be a leader when compared to other programs in the state. Our students are missing out on the opportunity to learn on current technology in our field; and would continue to do so if this is not funded. This project will affect every student in Theatre and Dance, as it is equipment that they will encounter in the future and training on the use of it will be skills that they can add to their resumes and portfolios and make them more marketable. It will also increase creativity on our productions and allow the department to grow in ways that it has not before.</p>	
Signature of Project Contact: <u>Robert Richoux</u>	Date: <u>10/17/18</u>
Signature of Department Head: <u>[Signature]</u>	Date: <u>10/17/18</u>
Signature of Appropriate Dean: <u>[Signature]</u>	Date: <u>10.18.2018</u>

Northwestern State University
Request for Student Technology Fee Project Funds

Requested equipment will be located/installed/housed in: Theatre and Dance Scene Shop Building: <u>025</u> Room: <u>146</u>
Does the department requesting funding charge lab fees? YES
Are departmental property control policies and procedures in place for requested equipment? YES
Who will be responsible for property control of the requested equipment and how will you secure and monitor access to moveable equipment? The Theatre faculty that are responsible for the scene shop will be responsible for the equipment. All of the equipment can be locked out and have a sign in sheet to track use of the tools and ensure that those using it are trained and supervised. The trickiest one to do this for would be the panel saw, but that is the easiest to train and the least likely to be misused.
List those individuals who will be responsible for the implementation of the project and describe their demonstrated abilities to accomplish the outlined objectives. I, Robert Richoux, will be leading the project. I have worked with SawStops, Panel Saws, and ShopBot CNC (Computer Numerical Control) Routers for the last 10 years and have been doing stage automation for 7 years at the professional level. While at the ZACH theatre in Austin I used primarily Creative Conners Equipment and have a lot of training on it to pass on to the students. Karn Richoux will also be assisting on the project. She has worked with SawStops and Panel Saws for the last 10 years, including at the high school that she taught at in Austin and at almost all theatre scene shops that she has trained and worked in. She has worked with ShopBot and other CNC Routers for 7 years, most recently at the Guthrie Theater in Minneapolis over Summer 2018 where she took a 1/4" clay model from the scenic designer and using a CNC router to make a 30 foot wide archway made from foam and steel that that looked like a giant iceberg that was walkable by the actors.
List any personnel (technical or otherwise) required to support the project/initiative. We would need to do a work request for some power to be run in our shop for 2 of the 4 items, and a request to surplus the current table saw that we have. The SawStop would need power run from above, the panel saw would plug into a standard outlet and not need any special setup. The ShopBot would need a dedicated outlet in the area we would have it in, plus an old computer to be set up; it will not need to be connected to internet or anything besides the machine and as it will be in a dusty location the computer should not be new. The Creative Conners turntable power is already set up on stage and requires no special setup.
Provide a timeline for implementation. We could implement this project immediately. We are already set up 2 of the 4 pieces of the equipment and would only have to wait on the few things listed above to start using the other two.
Estimate the expected life of any requested hardware and software. Explain any anticipated equipment/software upgrades over the next five years. These technology upgrades will last for a very long time. All software updates are free and do not add any cost. We do not see the need for any equipment or software upgrades in the next 5 years.

Northwestern State University
Request for Student Technology Fee Project Funds
Budget Summary

Title of Proposal: Scenic Lab Safety and Creative Technology

College / Department / Organization: CAPA/ Theatre and Dance

Project Contact(s): Robert Richoux

I. PROPOSED BUDGET:

	Student Tech Fee Money Requested	Funding from other Sources	Project Total
A. Equipment	\$61724	<u>6174.00</u>	
B. Software	\$0	<u>1299.00</u>	
C. Supplies	\$0	<u>27480.75</u>	
D. Shipping/Handling	\$1840	<u>27965.00</u>	
E. Installation	\$3000	<u>621918.75</u>	
F. Other Expenses (Identify)			
1. Personnel Training	\$1500		
2.			
3.			
4.			
5.			
G. Total Costs (A through F)	\$68064		

Item: Saw Stop Table Saw
Qty: <u>1</u> Price/each: <u>\$7000</u> Total Price: <u>\$7000</u>
Is there a recurring cost associated with this item? <u>Yes</u> If so, how much? <u>\$150 for new blades which comes from department and lab budgets</u>

Item: Panel Saw
Qty: <u>1</u> Price/each: <u>\$1500</u> Total Price: <u>\$1500</u>
Is there a recurring cost associated with this item? <u>Yes</u> If so, how much? <u>\$70 for new blades which comes from department and lab budgets</u>

Item: Shop Bot CNC Router
Qty: <u>1</u> Price/each: <u>\$30000</u> Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? <u>\$210 for new router bits which comes from department and lab budgets</u>

Item: Turntable Revolver
Qty: <u>1</u> Price/each: <u>\$28000</u> Total Price: <u>\$28000</u>
Is there a recurring cost associated with this item? <u>No</u> If so, how much? _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Detailed Budget Request

Page: _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Item:
Qty: _____ Price/each: _____ Total Price: _____
Is there a recurring cost associated with this item? _____ If so, how much? _____

Duplicate this page as necessary

Requested Product Quotation

Date: Oct 17, 18
 Purchasing Entity NORTHWESTERN STATE UNIVERSITY
 Designated Unit _____
 Individual ROBERT RICHOUX
 Contact Info:
 E-mail richoux.r@nsula.edu
 Phone 985-705-4890
 Fax _____

<u>Item#</u>	<u>Brand</u>	<u>Description</u>	<u>Quantity</u>	<u>Price@</u>	<u>Amount</u>
1.	ICS73480-52	SAW STOP TABLE SAW	1	4899 ⁰⁰	# 4899 ⁰⁰
2.	TSA-ODC	SAW STOP DUST COLLECTOR	1	199 ⁰⁰	199 ⁰⁰
3.	TSA-FOT	SAW STOP OUTFEED TABLE	1	299 ⁰⁰	299 ⁰⁰
4.	MB-IND-000	SAW STOP MOBILE BASE	1	299 ⁰⁰	299 ⁰⁰
5.	TSJC-8R2	SAW STOP DADO BRAKE	1	89 ⁰⁰	89 ⁰⁰
6.	TSI-DLD	SAW STOP DADO INSERT	1	39 ⁰⁰	39 ⁰⁰
7.					
8.					
9.					
10.					

Assembly Charge N/A

Shipping Charge

350⁰⁰

TOTAL

\$ 6174⁰⁰

Terms: NET 30

Thank you,
John Manuel



NorthernTool.com | 1-800-838-0516 | Available Online Only

Milwaukee Panel Saw — 8 1/4in. Blade Size, Model# 6480-20

Item# M0238 ★★★★★ [7 Reviews](#)



Only \$1299.00

Free Shipping (Lower 48 states)

- 15 Amp, 3.25 max HP motor cuts tough materials with ease
- Ideal for ripping and cross-cutting large panels, including plywood and OSB
- Convenient horizontal handle provides easy vertical crosscuts
- Large paddle switch for fast on/off access
- All-steel welded frame provides superior durability and accuracy to 1/32in.

Ship it | [See Shipping Options](#) [Need help unloading this item?](#)

Product Summary

This Milwaukee Panel Saw with 8 1/4in. blade and 15 Amp, 3.25 max HP motor easily cuts through tough materials, including plywood and OSB. **What's Included**

(1) Milwaukee Panel Saw, Model# 6480-20

Features + Benefits

- 15 Amp, 3.25 max HP motor cuts tough materials with ease
- Ideal for ripping and cross-cutting large panels, including plywood and OSB
- Convenient horizontal handle provides easy vertical crosscuts
- Large paddle switch for fast on/off access
- All-steel welded frame provides superior durability and accuracy to 1/32in.
- Single person operation

Key Specs

Item#	M0238	Amps	15
Brand	Milwaukee		
Manufacturer's Warranty	5 year limited warranty		
Ship Weight	185.0 lbs		



ShopBot Tools, Inc.

3333B Industrial Drive
Durham, NC 27704
888-680-4466 919-680-4800

Quote

Quote Date 10/17/2018

Page: 1 of 3

Table with 3 columns: Sold To, Bill To, Ship To. Each column contains contact information for Northwestern State University.

Table with 4 columns: Customer ID, Customer P.O., Payment Terms, Ship Via. Values include C-18283, Net 30, and Common Freight Carrier.

Main product table with columns: Qty, Part ID, Description, Unit price, Total. Item: 1 AGANTRY PRS Gantry Alpha 96-60-8 4hp-3ph.

Option Details: PRSGANTRYA - PRS Gantry Tools- Alpha

- LENGTH 96
WIDTH 60
HEIGHT 8
0 0
VOLTAGE = 2
DUAL_Z = NO
HP_CUTTER_1 = 4HP
HP_CUTTER_2 = None
DRILL = NONE
Alpha Gantry Details:
(1) 10633 - Table 96-60-8
(1) 005232 - Gantry 60
(1) 005235 - YZ Car 8" Z
Power Specs: 110V 1Ø for Controls, 230V
(1) 3Ø for Spindle(s)
(1) 20386 - CBxAR 1Spd, 2.2-5HP, 230V 3Ø
22572 - HSD 4HP 230V 3PH PRS
(1) 17564 - Rail Set X96 PRS
(1) 005185 - Dust Foot 2.2/4HP PRS4
(1) 004991 - User Assembly Kit- Alpha
(1) 005352 - Spring Assist Kit PRS4
(1) 001997 - Kit Push Bar 60
(1) 005000 - Crating Gantry Domestic- Std
005463 - Drive Set 4 AR Gantry

Table with 5 columns: Qty, Part ID, Description, Unit price, Total. Item: 1 14745 Dust Collector 1.5HP 60Hz w/4"x25' h.

Quotes are valid for 30 days. All prices are subject to change without notice. Accessories such as routers, vacuum pumps and spindles are subject to OEM warranties.

**ShopBot Tools, Inc.**

3333B Industrial Drive
 Durham, NC 27704
 888-680-4466 919-680-4800

Quote

Quote Date 10/17/2018

Page: 2 of 3

Sold To:		Bill To:		Ship To:	
Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches, LA 71457 United States 9857054890 richouxr@nsula.edu		Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches LA 71457 United States 9857054890 richouxr@nsula.edu		Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches, LA 71457 United States 9857054890 richouxr@nsula.edu	
Customer ID	Customer P.O.	Payment Terms		Ship Via:	
C-18283		Net 30		Common Freight Carrier	
Sales Rep				Carrier	
Buddy Warner					

<u>Qty</u>	<u>Part ID</u>	<u>Description</u>	<u>Unit price</u>	<u>Total</u>
1	11011	VCarve Pro SB Ed-Upgrade from 9 or	\$150.00	\$150.00
1	13699	Router Bit Starter Kit 8 PCS A. 1/2" Two Flute Straight V Flute (13564) B. 1-1/4" Spoilboard Cutter (13555) C. 1" 60° V Flute (13648) D. 1/4" One Flute Straight V Flute (13642) E. 1/4" Upcut (13528) F. 1/4" Upcut Super "O" Flute (001108) G. 1/4" Downcut (13507) H. 1/8" Upcut Tapered Ball Nose (13636)	\$258.00	\$258.00
1	13738	Bit 1/8" Solid Carbide One Flute	\$33.40	\$33.40
1	005637	Bit 3/16" (1/4"Shank) 5/8"cut 2fl "O" For acrylic, plastic, wood	\$50.95	\$50.95
1	005639	Bit Engraving 45° V	\$27.00	\$27.00
1	13741	Bit 1-1/2" Carbide Tip 90° V Lettering	\$42.60	\$42.60
1	13739	Bit 1/2" Carbide Tip 120 Degree V	\$42.60	\$42.60
1	13576	Bit 1/4 SC Ball Nose 2Flute	\$47.25	\$47.25
1	13754	Bit 3/8" Spiral Ballnose 2 Flute	\$74.85	\$74.85
1	13751	3/8" Ply Compression Spiral -2 Flute Requires 3/8 Collet - 2 flute	\$84.50	\$84.50
1	13748	Bit 3/8" 2fl x 1-1/8" Chipbreaker Upcut 3/8" 2 flute upcut Chipbreaker/finisher for fast cuts in ply & hardwood - great cabinet maker bit	\$99.65	\$99.65
1	13010	Collet ER25 3/8 (spindle only)	\$40.00	\$40.00

Quotes are valid for 30 days. All prices are subject to change without notice.

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CO-13853

Quote

ShopBot Tools, Inc.

Quote Date 10/17/2018

3333B Industrial Drive
Durham, NC 27704

Page: 3 of 3

888-680-4466 919-680-4800

Sold To: Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches, LA 71457 United States 9857054890 richouxr@nsula.edu	Bill To: Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches LA 71457 United States 9857054890 richouxr@nsula.edu	Ship To: Northwestern State University Robert Richoux 742 Saint Maurice Natchitoches, LA 71457 United States 9857054890 richouxr@nsula.edu
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Customer ID	Customer P.O.	Payment Terms	Ship Via:
C-18283		Net 30	Common Freight Carrier
Sales Rep		Carrier	
Buddy Warner			

<u>Qty</u>	<u>Part ID</u>	<u>Description</u>	<u>Unit price</u>	<u>Total</u>
1	TRN02	Training - 2 Day at ShopBot	\$300.00	\$300.00
1	SHIP29	Shpg and Handling PRS 48/60/96 US	\$775.00	\$775.00
			SUB TOTAL	\$27,480.75
			TOTAL ORDER AMOUNT	\$27,480.75

Quotes are valid for 30 days. All prices are subject to change without notice.
Accessories such as routers, vacuum pumps and spindles are subject to OEM warranties.

sales@creativeconners.com
http://www.creativeconners.com



84 Cutler St., Unit #7
Warren RI 02885
v 401.289.2942 | f 401.289.0259

QUOTE

ADDRESS

Northwestern State University
of Louisiana

SHIP TO

Northwestern State
University of Louisiana

QUOTE # 2583**DATE 09/30/2016****SHIP VIA**

LTL FREIGHT

SALES REP

PETER VEAL

DESCRIPTION	QTY	PRICE	AMOUNT
Revolver Starter Kit Complete, turnkey starter kit with Revolver turntable machine.	1	27,500.00	27,500.00
Shipping Freight and packaging fees	1	465.00	465.00

Payment terms are "Pre-pay"

TOTAL**\$27,965.00**

Accepted By

Accepted Date