

Student Technology Fee

Grant Proposal

2018.004

FY 2018-19

emailed  
12/10/18

Ron Wright


Comment: NOT best source of funds

Tracy Brown 

Comment: \_\_\_\_\_

Shawn Parr 

Comment: \_\_\_\_\_

Chris Parish 

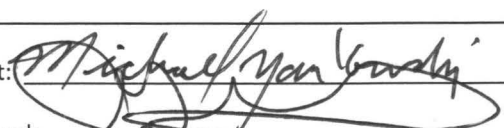


Comment: \_\_\_\_\_

Heath Fitts 

Comment: \_\_\_\_\_

FF #4

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

Title of Project: Art Metals Lab Burnout Furnace	
Department / Organization: Art Department - CAPA	
Project Contact(s): Michael Yankowski	
What is the expected number of students this project will serve the first year: 10 Expected to last 30 years	
<p>Summary of Project (DO NOT EXCEED 250 WORDS)</p> <p>(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>Several years ago, Art Department was successful in acquiring a complete jewelry lab when the program at the Natchitoches Technical College was shut down. This includes 18 jewelry benches, two centrifugal casting machines, a burnout furnace, bench lights, a metal rolling mill and a variety of other tools. Since that time, a number of hand tools and other pieces of equipment have been purchase with student lab fees.</p> <p>The current Burnout Furnace is at least 35 years old and is on it's last leg. It is a critical step in the lost wax casting process and is central to the courses we teach in that lab. Unfortunately, the insulation bricks are deteriorating and the timer/pyrometer is unreliable. This new furnace and rack will be of service for many years to come (30) and will allow us to continue to teach the process of converting wax into metal.</p>	
Signature of Project Contact:	 Date: 10-23-18
Signature of Department Head:	 Date: 10.23.18
Signature of Appropriate Dean:	 Date: 10.23.18

Northwestern State University  
Request for Student Technology Fee Project Funds

Requested equipment will be located/installed/housed in:            Building: 25A    Room: 218
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?  Corbin Corvier is our building maintenance and inventory control person. The furnace is in a locked and secure room
List those individuals who will be responsible for the implementation of the project and describe their demonstrated abilities to accomplish the outlined objectives. Professor Michael Yankowski is the instructor of the art metals classes. He is an accomplished craftsman and very familiar with the equipment and technique.
List any personnel (technical or otherwise) required to support the project/initiative. None
Provide a timeline for implementation. The equipment will be installed and implemented into the program as soon as it is ordered and arrives.
Estimate the expected life of any requested hardware and software. Explain any anticipated equipment/software upgrades over the next five years.  There will not be any further upgrades and the equipment should last thirty years.

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

Title of Proposal: Art Metals Burnout Furnace and Grate

College / Department / Organization: Art - CAPA

Project Contact(s): Professor Michael Yankowski

	Student Tech Fee	Funding from other Sources	Project Total
I. <u>PROPOSED BUDGET:</u>	Money Requested		
A. Equipment	\$ 2,495.00	\$300.00 (lab fees)	
B. Software		_____	
C. Supplies			
D. Shipping/Handling	\$315.00		
E. Installation	None	_____	
		_____	
F. Other Expenses (Identify)		_____	
1.	None _____	_____	
2.	_____	_____	
3.	_____		
4.	_____		
5.	_____		
G. Total Costs (A through F)	\$2,679.95		\$2,979.95

Detailed Budget Request

Item: Gesswein #914 Burnout Furnace		
Qty: One	Price/each: \$2,495.00	Total Price: \$2,495.00
Is there a recurring cost associated with this item? No If so, how much? _____		

Item: <i>Medium wax tray for #914 Furnace</i>		
Qty: One	Price/each: \$169.95	Total Price: \$169.95
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? _____		

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

# Gesswein

PAUL H. GESSWEIN & CO., INC.  
201 HANCOCK AVE. BRIDGEPORT, CT. 06605-2403 USA  
TEL: (203) 366-5400 FAX: (203) 366-3953  
e-mail address: sales@gesswein.com

Quote No
18135/00
Date
10/16/18

## QUOTATION

\* REPRINT \*

**Bill To:**  
NORTHWESTERN STATE UNIVERSITY  
175 SAM SIBLEY DRIVE  
NATCHITOCHE LA 71457

**Ship To:**  
NORTHWESTERN STATE UNIVERSITY  
175 SAM SIBLEY DRIVE  
NATCHITOCHE LA 71457

**Contact:** MICHAEL YANKOWSKI

**Contact:**

**Cust No**                      **Ref**  
1084794                      QUOTE

**Carrier:**  
**Shipping Acct. #**  
**FOB:**


**Terms:** M/C VISA DISC AMEX

Item Number	Description	U/M	Ordered	Price	Total
265-1431	FURNACE BURNOUT #914 220v 50/60	EA.	1	2,495.00 EA.	2,495.00 US\$
265-1434	MED. WAX TRAY F/ #914 FURNACE	SET	1	169.95 SET	169.95 US\$
/1	FREIGHT CHARGE				315.00 US\$

Subtotal                      2,979.95 US\$  
Sales Tax  
Order Total                    2,979.95


Total Line Items            2    This Quotation Expires 11/15/18

\* COMPLETE \*


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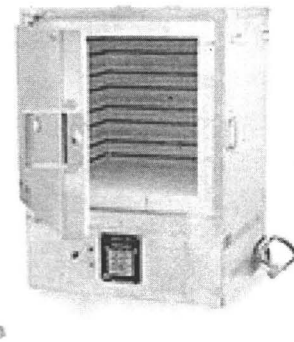
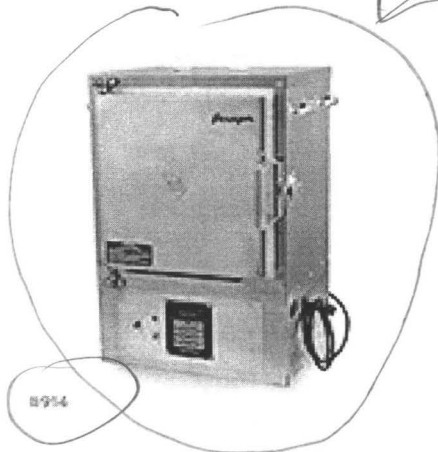
 Cart (0) 

Quick Order 



*Salesperson  
Jennifer  
school  
address  
contact*

(/images/Product/large/2651470.jpg)



# Programmable Burnout Furnaces

\$2,100.00 - \$2,895.00


Style

#914 (FOB Texas)

Item:

265-1431

 Some models ship FOB Texas.

 This item is a non-stock, drop ship item. Please allow extra time for delivery.

Qty:

Add to Cart 

Add to Favorites

Total \$2495.00

## Details

NOTICE: Machines for US customers only. Warranty void if purchased for use outside of the US.

These furnaces feature a programmable controller with three built-in, easy-to-use programs plus the ability to be custom-programmed for your own burnout schedule up to 99 hours, with delay start capability. Controller allows you to preset up to 20 segments or "ramps." Each ramp consists of (1) rate of heating/cooling, (2) temperature setting in °F or °C, and (3) hold time for each temperature. The program you set stays in permanent memory until you reset it. Furnaces are enclosed in tough stainless steel cabinets with firebrick chambers. Easily replaceable heating elements are secured in grooves inside the chambers.

Find these items on these pages in our catalog:

- 215
- 995



# Instructions

Programming Instructions: Sentry 2.0 Controller Instructions  
 (/images/PDFS/Sentry\_2.0\_Controller\_Instructions.pdf)


# Specifications

Model #	Item	Flask Solid	Capacity	Electrical	Outside Dimensions	Inside Dimensions	Maximum Temperature
Heavy Duty Burnout	265-1451	4x6/ 3x3	8 ea./ 15 ea.	240V, 13A, 1 Ph, 50/60Hz 3.1kW	17.5"W x 17.5"D x 17.5"H	12"W x 12"D x 8"H	2000°F
913	265-1470	4x6/ 3x3	12 ea./ 28 ea.	220V, 13A, 50/60Hz, 3kW	18"W x 21.5"D x 21.5"H	13"W x 13"D x 9"H	1700°F
914	265-1431	4x6/ 3x3	18 ea./ 32 ea.	220V, 17A, 50/60Hz, 3.75kW	19"W x 22"D x 27"H	14"W x 14"D x 14" H	2000°F
918	265-1436	4x6/ 3x3	21 ea./ 42 ea.	220V, 25A, 50/60Hz, 4.84KW	24"W x 27"D x 31"H	18"W x 18"D x 18"H	1700°F
SC3	265-1421	4x6/ 3x3	1 ea./ 7 ea.	120V, 15A, 1Ph, 60Hz, 1.8kW	13"W x 14"D x 17"H	7.75"W x 8"D x 7.75"H	2000°F
SC3 (240V)	265-1425	4x6/ 3x4	2 ea./ 7 ea.	240V, 8A, 1Ph, 60Hz, 2kW	13"W x 14"D x 17"H	7.75"W x 8"D x 7.75"H	2000°F
Ney Fiber	265-1525	4x6/ 3x3	4 ea./ 8 ea.	120V, 12A, 1.32KW, 50/60Hz	15"W x14.5"D x 16.5"H	9"W x 9"D x 6.5"H	2000°F
Ney Fiber (230V)	265-1526	4x6/ 3x4	5 ea./ 8 ea.	230V, 6A, 1.32kW, 50/60Hz	15"W x 14.5"D x 16.5"H	9"W x 9"D x 6.5"H	2000°F
Ney 3-550A Venturi	265-1361	4x6/ 3x3	4 ea./ 8 ea.	220-240V, 10A, 1Ph, 2.8kW, 50/60H	16"W x 17"D x 16.0"H	9"W x 9"D x 7"H	2012°F

Model #	Item	Flask Solid	Capacity	Electrical	Outside Dimensions	Inside Dimensions	Maximum Temperature
Ney Vulcan A-550	265-1350	4x6/ 3x3	4 ea./ 8 ea.	100-125V,12A, 50/60Hz, 1.92kW	16"W x 17"D x 16"H	9"W x 9"D x 7"H	2012°F
Ney Vulcan A-550 (240V)	265-1355	4x6/ 3x4	5 ea./ 8 ea.	200-240V,10A, 50/60Hz, 2.4kW	16"W x 17"D x 16"H	9"W x 9"D x 7"H	2012°F
Ney Vulcan 3-550	265-1362	4x6/ 3x3	4 ea./ 8 ea.	100-120V,16A, 50/60Hz, 1.92kW	17"W X 16" D x 19"H	9"W x 9"D x 7"H	2012°F
Ney Vulcan Furnace 3-550 (250V)	265-1364	4x6/ 3x4	5 ea./ 8 ea.	200-250V,10A, 50/60Hz, 2.4kW	17"W X 16" D x 19"H	9"W x 9"D x 7"H	2012°F

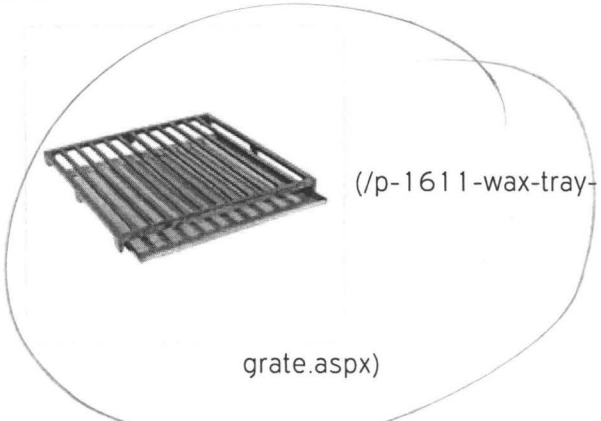
Model:	#913	#914	#918
Electrical:	220V, 13A, 50/60Hz	220V, 17A, 50/60Hz	220V, 25A, 50/60Hz
Exterior Dimensions:	18"W x 21.5"D x 21.5"H	19"W x 22"D x 27"H	24"W x 27"D x 31"H
Chamber Dimensions:	13" x 13" x 9"	14" x 14" x 14"	18" x 18" x 18"
Shipping Weight:	160 lbs.	209 lbs.	295 lbs.

## Related Products and Accessories



**REPLACEMENT PARTS**

(/p-10509-  
replacement-parts-for-programmable-burnout-furnaces.aspx)



(/p-1611-wax-tray-grate.aspx)

### Replacement Parts for Programmable Burnout Furnaces

(/p-10509-replacement-parts-for-programmable-burnout-furnaces.aspx)

**\$415.00**

### Wax Tray & Grate

(/p-1611-wax-tray-grate.aspx)

**\$169.95**



(/p-10042-heat-


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(/p-10042-heat-resistant-gloves.aspx)



**\$41.95**

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