

WOODCHIPS - 2014



OCTOBER



Remember!

Get your raffle tickets
when you come into
the meeting

November Challenge

Anything you've done using
Cole jaws, reverse turning,
or vacuum chuck

November Demo

Spindle Turning by
David Bartlett



Mike Thomas, our VP, handled the meeting particulars as Larry Dice was out of town. He reminded members of the Auction on 11/1/14 - need woodturner items and help setting up on 10/30. Dixie Biggs coming 11/8 and 9 to demonstrate surface decoration. She's one of the best - make your reservation early.



Dick Woodhouse said that we have 14 artists and 44 pieces in the show at the Tomahawk Center - go see it.

THE CHALLENGE



This was a first - we had exactly one person participate in the challenge this month. **Jay Hansen** brought in a Christmas ornament he made as a result of seeing **Ed Jaszczak's** demonstration last month on turning segmented ornaments. Jay also was the recipient of the

SHOW AND TELL



I am sorry **Jerry McMaster**. He brought in a threaded acorn box using techniques he learned in **Anthony Harris's** threading class



Ben Hayes also took the class "One of the most frustrating classes - I need to practice a lot." But he made a threaded box.



Finished earlier in the day. **Rick Bywater** brought it to show how he uses the vacuum chuck to finish the piece.



Two pieces. And, **Mike Erickson** brought his first attempt at dyeing - mildly successful



Another threading student, **Sue Bergstrand** needed two hands to loosen it but it worked better after she waxed the threads.



Kris Coyan said started this 6-9 month ago, all the pawns are a little different but it was great practice is trying to make identical items. His father-in-law made the board. Kris burned the boarder.



First time these pieces have seen the light of day. **Richard Davis** turned these from a root system and the wood has some fantastic characteristics.

THE DEMONSTRATION

This month's demonstration was provided by **Mike Thomas** and **Rick Bywater**. Mike demonstrated a replacement for the cole Jaws and Rick discussed how to use a vacuum chuck. The idea for the demo came out of the idea that there are a number of tools in our shop that members seem not to know how to use. So...there may be more demos on some of our tools and gadgets.



Mike first saw these at Dale Larson's demonstration here earlier this year. Thought that they were a good idea. he went and found the article that Dale referenced - Woodturning Design Magazine Summer of 2006 - got a number of other back issues as well. Then he sent in a subscription for two years where upon the publisher declared bankruptcy.



Dale likes to use Big Leaf Maple as it is the softest of the hard woods that he likes to use. Mike tried to get some - no luck - so he used furniture grade Douglas Fir. Use 2 X 6's and make sure the grain runs across each section. Mike used a Nova scroll chuck with cole jaws and this is a dedicated tool for him. The turning speed is about 500 rpm.

You can cut any sizes you want into the wood to either compress or expand into the pieces that you are turning.



He uses the tail stock to assist in centering. If you are turning a delicate bowl, be cautious about the pressure you apply for holding as the jaws could crack the bowl. The edges of the groove cut into the wood are angled at about 1-2 degrees. After secure, finish the bottom and you are done.



Rick like to keep things simple and likes to work fast and, for him, the vacuum chuck is perfect. He said that the vacuum chuck is probably his 6th most valuable tool in his show. He uses it all the time.

He did this demonstration showing how to use the vacuum chuck that we have in our KCWT shop. He demonstrated on the Powermatic.

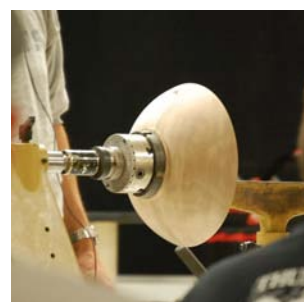
Parts can be obtained in lots of places and you can make your own or you can buy one already made.



Chucks can be made from PVC and the seal is made from as rubber floor mat. He uses 5 min epoxy to glue.



You can make chucks from wood but they need to be sealed and sprayed with urethane. He uses a chuck with an adaptor on the tail stock to center the piece on the vacuum chuck.



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You might need to use some tape of the bowl has some leaks because of inclusions or it's thin. The tape helps set up and sustain the vacuum to that finishing can be done.



Please support those who support us.



Woodcraft Supply
8645 Bluejacket Rd.
Lenexa, KS 66214
(913) 599-2800

Store Hours
Mon, Tues, Wed, Fri 9 am—7 pm
Thurs 9 am—9 pm
Saturday 9 am—6 pm
Sunday 9 am—5 pm

As a member of KC Woodturner, you receive a 10% discount except for on sale items and power tools. Make sure you present your KC Woodturner Card.

Craft Supplies

1287 E 1120 South
Provo, Utah 84606
1-800-551-8876



Jeff Edemann offers KCWT members 10% off all items except sale items and power tools. Ask Jeff about any discount on power tools.



816-892-3398
800-456-2148
Fax 816-753-0250
3001 Southwest Blvd.
Kansas City, MO 64103-3616

10% discount on lumber and supplies to all KC Woodturners Chapter members when you present your membership card!

This is our biggest and most important money raising event of the year. Bring yourself but, more importantly, bring a friend or two or three. Heck, bring your whole neighborhood - especially anyone who likes tools, a lot.

ANNUAL AUCTION

Woodworking & Woodturning Tools, Equipment & Wood Art



Other items, too: Table saws, routers, sanders, vises • Antique tools
• Numerous hand tools • New & Used • Refreshments Available

Saturday, November 1

Doors open at 9 a.m. • Auction at 10 a.m.

Kansas City Woodworkers Guild • KC Woodturners

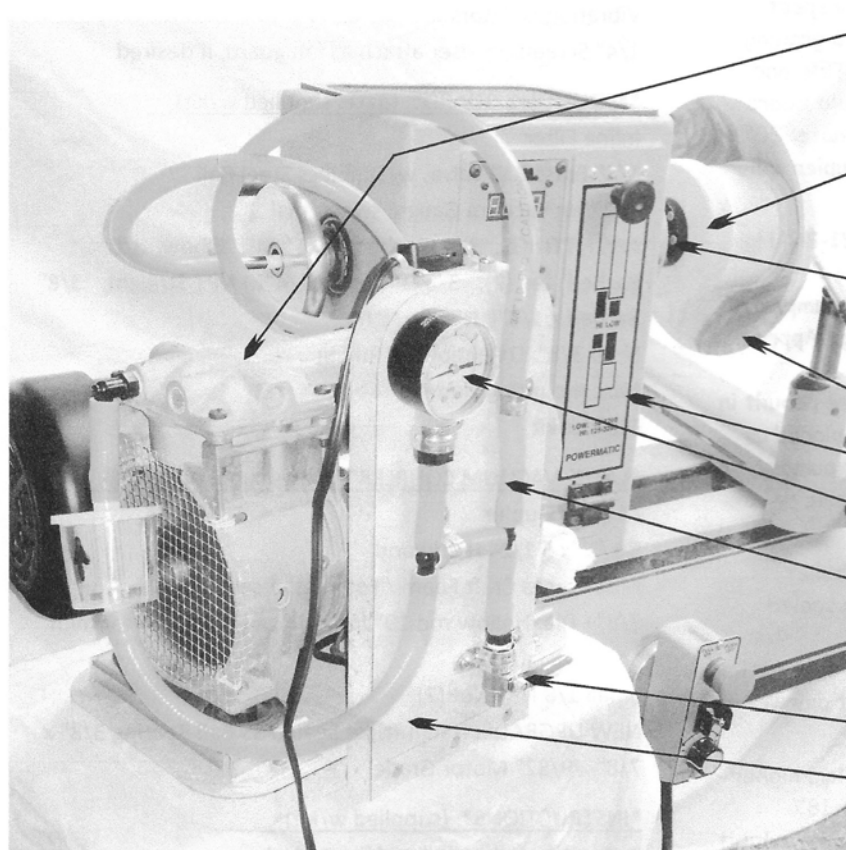
3189 Mercier St. KCMO



BE HERE AND SUPPORT KCWT

If you have been thinking about a vacuum chuck, (especially since our last meeting) you might consider looking at this. The maker was demonstrating at the AAW Symposium. It seemed to be very effective.

the Frugal Vacuum Chuck Kit



frugal adjective

1. Practicing or marked by economy, as in the expenditure of money or the use of material resources.
2. Costing little; inexpensive

Pump, re-purposed Thoms 2660 or equivalent, isolation dampeners, 3 grades of capacity

Nachi Triple sealed bearing, through rod, hardwood block, 4" coupler, 'foamie' (seal)

Use your 4 jaw chuck or faceplate or imbeded nut, user choice

Wood bowl, user supply

Sorry, lathe not included

-30-0" Hg Vacuum Gauge Full Sweep Dial

Vacuum tubing, tees, misc fittings shown, filter, misc clamps, thread tape supplied

Full Port Ball Valve, Brass, SS

Mounting board user supply
Instructions, detailed written with illustrations

The AFFORDABLE Vacuum Pump and Chuck, half the cost of a venturi pump, 1/5 the cost of any other commercial setup. Save money and time finishing your platters and bowls. No more time consuming set-up with Cole Jaws or jam chucks.

This is the ideal set-up for a vacuum chuck, inspired by an article in the Fall 2009 Woodturners Design Magazine and many internet articles. The through rod stays stationary in the headstock and terminates in a triple sealed bearing epoxied in the vacuum chuck. This eliminates many potential sources for vacuum leaks and/or expensive adapters. No clamps needed, the vacuum tubing slides snugly on the through rod and also prevents the rod from turning.

User supplies 2+/- hours assembling and basic woodturning skills. Tools: parting tool, bowl gouge, scraper, Fostener 7/8 and 5/8" bits, screwdriver, drill and bits, epoxy, and misc wood screws.

GOOD: 21-24" Hg
Pump and Parts Kit...\$135

BETTER: 25-26" Hg
Pump and Parts Kit.....\$150

BEST: 26-27" Hg. Rebuilt
Pump and Parts Kit.....\$175

OPTIONAL: if ordered w/kit
3/8" hollow rod, nuts (2) &
Nachi Premium Bearing.....\$15
for add'l size vacuum cups

Shipping US addresses...\$20
more details next page

Website & links to videos,
www.frugalvacuumchuck.com

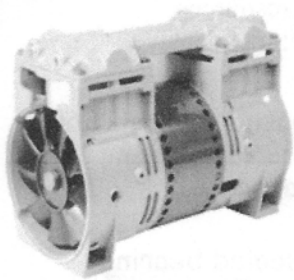
Inquiries:
FrugalVacuumChuck@gmail.com

Satisfaction
Guaranteed

Some kits
limited quantities

About the Vacuum Pump:

I use repurposed Thomas 2660, 2639 or Gast 82R's, typically from an Oxygen Concentrator. These industrial quality pumps are designed to run 24/7/365 for years (5+) with minimal maintenance (see sidebar). I test and inspect every pump and have a grading system. **GOOD**, **BETTER** and **BEST** (just like the old Sears Catalog). Reference note: 20" Hg. vacuum at the coupler will



give 140+ pounds* holding power.

GOOD: In the prime of its life, pulls between 21-24" Hg. Really, it's all we need.

BETTER: Why was it sent to recycle?? These pumps are in their first 20% of life cycle, pulls 25-26" Hg. Approx. 165 #* holding power

BEST: Pumps that test less than 21" vacuum are rebuilt in house by me. Cups, Valves and Cylinders are replaced as needed. I give a one-year warrantee on rebuilt pumps. Output 26-27" Hg., same as new, 90% atmospheric pressure. Approx. 185 #* holding power.

The bottom ends of these pumps are basically bullet proof, capacitor start, no brushes and oversize sealed bearings.

Our usage as woodturners will not significantly change the vacuum potential (holding power) from the first day we start using our vacuum chuck.

* ratings @ sea level using supplied 4 1/4" coupler. higher altitudes i.e. Denver reduce capacity by approx. 18%. Pumps are from former operating systems and may exhibit scuffing, minor dents, dirt, dust and discoloration of aluminum surfaces. This does not impede functionality or operation of the pump.

More information than you ever wanted to know

Pump Technical Overview

3.9 Amps
Max Flow 4.6 cfm / 130 l/min
Pressure to 45 psi / 3.1 bar, w/factory supplied relief valve
Vacuum 90% Atmospheric Pressure

Features & Benefits of Thomas and Gast Pumps

- Oil-less operation (Clean air stream, less maintenance)
- Permanently lubricated bearings (Optimum life)
- Stainless steel valves (Optimum life, corrosion resistance)
- Die-cast aluminum components (Strong, lightweight, durable)
- Dynamically balanced (Low operating vibration)
- Proven WOB-L® technology (Optimum life)
- Monolithic head (Fewer parts, eliminates potential leak paths)
- Field service capability (Maximum return on investment)
- Thermally protected motor (Fail-safe operation)
- Designed and tested per Agency standards (Fail-safe operation)

the 'FrugalVacuumChuckKit'

VACUUM PUMP (supplied w/kit)

Thomas 2660 Vacuum Pump w/Capacitor or Equivalent,
Three grades: **GOOD**, **BETTER**, **BEST** (see about pump)
6' Electric cord w/switch, spliced into existing wires
Vibration Isolators

1/4" Screening, user attach as fan guard, if desired

MOUNTING BOARD (parts supplied w/kit)

Inline Filter

1/4" Brass Ball Valve, w/Stainless Steel Ball

0-30"Hg Vacuum Gauge, sweep dial

ABS FITTINGS: 3/8" Barbed x 1/4" NPT Elbow, 3/8"

Barbed Tee (2), 3/8" Barbed x 1/4" M NPT Straight, 3/8"

Barbed x 1/4" F NPT Straight

5' of 3/8" ID Reinforced Tubing

Misc mounting clamps

Muffler kit

LATHE VACUUM COUPLER (parts supplied w/kit)

4" PVC Coupler

5 1/2" x 5 1/2" Hardwood

Misc Pieces Craft Foam / Foamies, 1 set

3/8"+ Dia. Hollow rod 19" for full size lathes, 16" for midi and mini lathes

Small 1/8 NPT Nut (2)

NEW UPGRADE: Nachi Triple Sealed SS Ball Bearing 3/8" x 7/8" x 9/32" Motor Grade

INSTRUCTIONS (supplied w/kit)

Instructions, detailed and illustrated

USER SUPPLY

2 pieces plywood or equivalent 12"x 7" (approximate) for mounting pump and gauges. Epoxy, clamps, screws, etc.
Other items might include a face plate, imbedded nut, or at users ingenuity other design options.

2+/- hours assembly and basic turning skills

7/8", 5/8" Fostner Bits, screwdriver, basic woodturning tools

Note: Hose clamps not necessary on barbed fittings

To order please send email, include info below:
Name and Address

Lathe; brand and/or length of head stock

Kit desired; **Good**, **Better** or **Best** and if

Optional rod, nuts and Nachi Bearing wanted

I will send a PayPal invoice, shipment upon payment

FrugalVacuumChuck@gmail.com

Bob Leonard 847.561.7795



A traveler in China sent in a few pictures he took in the Xinjiang Uyghur Autonomous Region in NW China. He is a Uyghur (pronounced like we-ger) who is a professional turner. He doesn't look like most Chinese we are familiar with as there has been a lot of mixing with the Mongols.

He makes a living for himself and his family by turning a variety of items - mostly bowls and pillows, which he has on the lathe in these pictures. The bowls sell for about \$15.00.

The head stock is powered by a motor. It has a very interesting tail stock - pressure being applied by a variety of various lengths of pipe. Wonder what he'd think of a Powermatic, Delta, Jet, or OneWay?

Like rule number one says - "It's never the tool."



Tomahawk Community Center

11902 Lowell

Overland Park, KS 66213

Take Metcalf South to 119th and turn right. It is on the left about 3/4 of a mile West.

If you want to know whose pieces these are, go to the center.

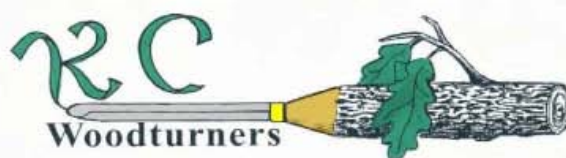


Reserve your spot early. She is one of the best in the country at surface decorating. Her demonstrations are interesting, informative, and entertaining. You really don't want to miss this demonstration. Bring anyone you know who is interested in art, decoration, woodturning, carving, woodworking decoration. She is truly amazing.



Dixie Biggs

is coming to



November 8th & 9th

Dixie has been a full-time woodturner/artist since 1989. She has had an extensive show career and has exhibited her work in such premier venues as the Smithsonian Craft Show, Philadelphia Museum of Art Craft Show and del Mano Gallery. She has shared her techniques and knowledge at various woodturning clubs, symposiums, and craft schools around the country. Much of her work incorporates botanical themes. These are enhanced by her having a degree in agriculture. Each of her pieces begins on the lathe. She sees this as a starting point for further development. The surface of her work is created using various carving tools both hand-held and power-driven. Many times the wood itself will dictate what the surface texture or treatment will be.



Saturday, November 8th, \$25.00 Demo starts at 9:00am

Dixie will begin by demonstrating several easy surface embellishment techniques using a Dremel tool and engraver, then will show how to enhance these techniques using dyes, grain fillers and colored waxes. Then, Dixie will take you step-by-step through her process of layout to detail carving with a discussion of tools. Lunch on your own.

Sunday, November 9th, \$100 Hands-On starts at 9:00am

Will use rotary power carvers. Dixie will take you step-by-step through the process she uses to create her "leaf wrapped" vessels. No previous experience necessary. Lunch furnished.

Both events will be held at the KC Woodturners Clubhouse at 3189 Mercier KCMO. Map at <http://www.kcwoodturners.org/>

Payment can be made using PayPal at <http://www.kcwoodturners.org/DixieBiggs/DixieBiggsPayPal.htm>

-or- Pay at Door -or- Send check to Kevin Neelley KCWT Treasurer, 14738 W 80th St, Lenexa KS 66215

Reserve your place for Saturday or Sunday by email to Kevin Neelley at treas@kcwoodturners.org