



**REQUEST
FOR
PROPOSALS**

July 25, 2016

South Bend Lathe: Model SB 1039

Project 2016-2017

**Due 10:00 AM CST/CDT
Monday, August 15, 2016**

Company Name: _____

Contact Information: _____

Printed Name & Title

Address, City, State

Phone Number

**EAST CENTRAL COLLEGE
REQUEST FOR PROPOSALS**

*Please mark the outside of your return envelope:

TO: EAST CENTRAL COLLEGE
1964 Prairie Dell Road, Union MO 63084
Email: melissa.popp@eastcentral.edu
PH: (636) 583-6703 FAX: (636) 584-8602

BID: South Bend Lathe: Model SB1039
DUE: 10:00 AM, Monday, August 15, 2016

Questions concerning this Request for Proposals must be received by fax or email no later than 10:00 AM August 5, 2016.

Proposals must be received August 15, 2016, No later than 10:00 AM CST/CDT.

DIRECT CONTACT WITH EAST CENTRAL COLLEGE BOARD OF TRUSTEES IS PROHIBITED.

INSTRUCTIONS AND CONDITIONS: Please quote the lowest net price at which you agree to furnish the service listed. Please send 3 copies of this bid response sheet and descriptive folders giving trade names, specifications, and related information on items bid. Samples may be sent to further describe the merchandise in question.

VERIFY YOUR PROPOSAL BEFORE SUBMISSION AS THEY CANNOT BE WITHDRAWN OR CORRECTED AFTER BEING OPENED. The College is exempt from the Missouri State Tax. The College is a state funded institution and requires all bids to be submitted as prevailing wage. Franklin County is listed under section 36 in the Missouri Statute. East Central College is not responsible for Request for Proposals lost in transit or received after time of quotation closing. It is the vendor's responsibility to confirm receipt of their proposal by the Purchasing Department.

WE WILL ACCEPT ONLY SEALED WRITTEN BIDS; VERBAL QUOTES OR BIDS SUBMITTED VIA FAX, E-MAIL, OR ANY OTHER MEANS WILL NOT BE ACCEPTED.

ALL PRODUCT DESCRIPTION, FEATURES, CHARACTERISTICS AND PRICING ASSOCIATED WITH THIS SERVICE MUST BE DETAILED IN THE BID. EAST CENTRAL COLLEGE RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, WAVE MINOR IRREGULARITIES, CONSIDER MINOR VARIATIONS TO SPECIFICATIONS THAT ARE CLEARLY DETAILED, AND ACCEPT THE LOWEST BID WHICH APPEARS TO BE IN THE BEST INTEREST OF THE COLLEGE.

Item#	Qty	Description	Total Cost
1	10	South Bend Lathe: Model SB1039	

***Return this form to East Central College Purchasing Department with Unit Price and Extension Total indicated.**

East Central College reserves the right to purchase by individual item. All prices quoted shall be F.O.B. East Central College, Union, Missouri or to any East Central College off-campus location when indicated. All prices quoted shall be valid for a minimum of 90 days from closing date of request for proposal.

We agree to furnish the above material and service for delivery as specified, at prices shown opposite each item. This form must be completely filled out and signed, or it will not be accepted.

IT IS REQUIRED THAT THE VENDOR READ AND FOLLOW ALL INSTRUCTIONS ON THIS FORM. FAILURE TO DO SO IS SUFFICIENT CAUSE FOR REJECTION.

THIS IS NOT AN ORDER

Name of Firm

Date: _____

Signature & Title

**EAST CENTRAL COLLEGE
REQUEST FOR PROPOSALS**

DUE: August 15, 2016

BID: South Bend Lathe: Model SB1039

Proposals must be received no later than 10:00 AM CST/CDT.

Please send one (1) digital and one (1) original of the bid response sheet descriptive folders giving trade names, specifications and related information on items quoted.

PROJECT TIMELINE

July 27, 2016	Request for Proposals released to public
July 27, & 30 – 31, 2016	Invitation to Issue Request for Proposals advertise
August 5, 2016	Questions and inquiries concerning this Request for Proposals must be submitted not later than 10:00 AM: Fax: 636-584-8602 Email: melissa.popp@eastcentral.edu
August 15, 2016	Proposals due by 10:00 AM, CST/CDT to: Melissa Popp, Purchasing Manager 1964 Prairie Dell Road Union, MO 63084 Attn: South Bend Lathe: Model SB1039 <i>Mail one (1) digital copy and an original of the bid.</i>
August 15, 2016	RFP's publicly opened and read aloud, 10:05 AM, Buescher Hall, 2 nd Floor, Room 262

It is the responsibility of each vendor to inquire about and clarify any requirement of this solicitation that is not understood. The College will not be bound by oral explanations as to the meaning of specifications or language contained in this solicitation. All inquiries and questions deemed to be substantive in nature must be in writing and submitted as stated in timeline. *Please provide business name, contact, telephone number, email address and fax number on inquires.* A copy of all queries and the respective responses will be provided in the form of an addendum to all vendors who have indicated an interest in responding to this solicitation. Your signature on the proposal cover sheet certifies that you fully understand all facets of this solicitation. Questions may be sent by FAX to **636-584-8602** or email to melissa.popp@eastcentral.edu.

ALL SERVICE DESCRIPTION, FEATURES, CHARACTERISTICS AND PRICING ASSOCIATED WITH THIS PROPOSAL MUST BE DETAILED IN THE BID.

EAST CENTRAL COLLEGE

REQUEST FOR BID

DUE: August 15, 2016

BID: South Bend Lathe, Model SB1039

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I. Machine Features and Specifications

- See attached specification sheet in Appendix A.

**Specifications are based on the South Bend Lathe: Model SB1039, ECC will NOT accept an equivalent to this system.*

II. Installation and Setup

III. Training

IV. Rigging

V. Freight and Delivery

Deliver FOB Union, MO to:
East Central College
Business & Industry Center
42 Prairie Dell Plaza Drive
Union, MO 63084

EAST CENTRAL COLLEGE

REQUEST FOR BID

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VI. Equipment Cost Quotation

Equipment	Individual Cost	Total
South Bend Lathe: Model SB1039		
Installation and Setup		
Training		
Rigging		
Freight and Delivery		
Grand Total		

EAST CENTRAL COLLEGE

REQUEST FOR BID

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APPENDIX A



Model SB1039 14" x 40" 16 Speed Lathe 220V

Product Dimensions

Weight..... 2420 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 80-3/4 x 32-1/8 x 54-3/8 in.
 Footprint (Length x Width)..... 80-3/4 x 19-1/2 in.

Shipping Dimensions

Type..... Wood Slat Crate
 Content..... Machine
 Weight..... 2484 lbs.
 Length x Width x Height..... 33 x 81 x 55 in.

Electrical

Power Requirement..... 220V, 3-Phase, 60 Hz
 Prewired Voltage..... 220V
 Full-Load Current Rating..... 14.4A
 Minimum Circuit Size..... 20A
 Connection Type..... Cord & Plug
 Power Cord Included..... No
 Recommended Power Cord..... "S"-Type, 4-Wire, 12 AWG, 300 VAC
 Plug Included..... No
 Recommended Plug Type..... 15-20
 Switch Type..... Control Panel w/Magnetic Switch Protection
 Recommended Phase Converter..... G7978

Motors

Main

Type..... TEFC Induction
 Horsepower..... 5 HP / 2.5 HP
 Phase..... 3-Phase
 Amps..... 14A/10A
 Speed..... 3450 / 1720 RPM
 Power Transfer V-Belt Drive
 Bearings..... Shielded & Permanently Lubricated

Coolant Pump

Type..... TEFC Induction (Class F)
 Horsepower..... 1/8 HP
 Phase..... 3-Phase
 Amps..... 0.4A
 Power Transfer Direct Drive
 Bearings..... Shielded & Permanently Lubricated

Main Specifications

Operation Info

Swing Over Bed.....	14 in.
Distance Between Centers.....	40 in.
Max Weight Between Centers.....	440 lbs.
Swing Over Cross Slide.....	8.66 in.
Swing Over Saddle.....	13-3/4 in.
Swing Over Gap.....	20.94 in.
Maximum Tool Bit Size.....	3/4 in.
Compound Travel.....	4 in.
Carriage Travel.....	36-1/2 in.
Cross Slide Travel.....	7 in.

Headstock Info

Spindle Bore.....	1.57 in.
Spindle Taper.....	MT#5
Number of Spindle Speeds.....	16
Spindle Speeds.....	50 – 2570 RPM
Spindle Type.....	D1-5 Camlock
Spindle Bearings.....	NTN Tapered Roller
Spindle Length.....	20-7/8 in.
Spindle Length with 3-Jaw Chuck.....	27 in.
Spindle Length with 4-Jaw Chuck.....	25-7/16 in.
Spindle Length with Faceplate.....	22-1/2 in.

Tailstock Info

Tailstock Quill Travel.....	4-3/8 in.
Tailstock Taper.....	MT#3
Tailstock Barrel Diameter.....	1.968 in.

Threading Info

Number of Longitudinal Feeds.....	17
Range of Longitudinal Feeds.....	0.002 – 0.067 in./rev.
Number of Cross Feeds.....	17
Range of Cross Feeds.....	0.001 – 0.034 in./rev
Number of Inch Threads.....	45
Range of Inch Threads.....	2 – 72 TPI
Number of Metric Threads.....	39
Range of Metric Threads.....	0.2 – 14.0 mm
Number of Modular Pitches.....	18
Range of Modular Pitches.....	0.3 – 3.5 MP
Number of Diametral Pitches.....	21
Range of Diametral Pitches.....	8 – 44 DP

Dimensions

Bed Width.....	9 in.
Carriage Leadscrew Diameter.....	1-1/8 in.
Leadscrew TPI.....	4 TPI
Carriage Leadscrew Length.....	59 in.
Steady Rest Capacity.....	5/16 – 4-5/16 in.
Follow Rest Capacity.....	5/8 – 3-1/8 in.
Faceplate Size.....	12 in.
Feed Rod Diameter.....	3/4 in.
Floor to Center Height.....	42-5/8 in.
Height With Leveling Jacks.....	54-3/8 in.

Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
End Gears.....	Flame Hardened Steel
Bed.....	Induction-Hardened, Precision-Ground Meehanite Cast Iron
Body.....	Cast Iron
Stand.....	Cast Iron
Paint Type/Finish.....	Urethane

Fluid Capacities

Headstock Capacity.....	6.4 qt.
Headstock Fluid Type.....	ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Gearbox Capacity.....	1.4 qt.
Gearbox Fluid Type.....	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Apron Capacity.....	1.2 qt.
Apron Fluid Type.....	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity.....	11.1 qt.

Other

Country of Origin	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	ID Label on Front of Headstock
Sound Rating	76 dB
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

- Allen Bradley Electrical Components
- Meehanite Casting, Signature South Bend Three V-Way Bed
- Safety Chuck Guard with Micro-Switch Shut-Off
- Halogen Work Light (24V/70W)
- 4-Way Tool Post
- Complete Coolant System
- Micrometer Carriage Stop
- Threading Dial Indicator
- NTN Japanese Spindle Bearing
- Full Length Splash Guard
- Front Removable Sliding Chip Tray
- Headstock Gears Run in an Oil Bath
- Completely Enclosed Universal Gearbox for Cutting Inch, Metric, Modular and Diametral Pitches
- Jog Button and Emergency Stop

Included Accessories

- 10 in. 4-Jaw Independent Chuck D1-5
- 8 in. 3-Jaw Scroll Chuck (Mounted to 8 in. D1-5 Back Plate)
- 12 in. Faceplate D1-5
- Follow Rest
- Steady Rest with Roller Bearing Tips
- #5 to #3 Morse Taper Spindle Sleeve
- Two Morse Taper #3 Dead Centers (1 Carbon Steel and 1 Carbide-Tipped)
- Six Leveling Pads
- Service Tools
- Tool Box
- USA Written Manual