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Bocra Industries, Inc.

*Designers and Builders of Special Machinery
Tools, Dies & Fixtures
140 Batchelder Road
Seabrook, NH 03874*

FACILITIES LIST **AS9000 / S1000D CERTIFIED**

FACILITY

20,000 SQ. FT. MODERN INDUSTRIAL BUILDING ALONG SIDE ROUTE 95

DESIGN ENGINEERING CAPABILITIES

AUTO -CAD LEVEL 2006

INVENTOR 10

FAX MODEM CAPABILITIES

HEWLETT-PACKARD FULL SIZE INK JET PLOTTER

BLUE PRINT PRODUCTION CAPABILITY

MACHINE & TOOL DESIGN CAPABILITY BY OUTSIDE SERVICES

E-MAIL CONTACT@BOCRAINDUSTRIES.COM

MILLING MACHINES

(9) ACER ULTIMA 3VKH 10x50" TABLE

TWO ARE EQUIPPED WITH ACU-RITE MILLPOWER 2 AXIS CONTROLS

3 WITH ACU-RITE READOUTS

ONE IS EQUIPPED WITH PROTOTRAK EDGE 2 AXIS CONTROLS

3 ACER MILLS WITH MITITOYO READOUTS & W/POWER FEED

(4) SHARPS

2 WITH ACU-RITE 3 AXIS CONTROLS

(2) BRIDGEPORT MILLS

ONE WITH SHAPING HEAD

(1) CINCINNATI 7-5 HP HEAVY DUTY VERTICAL ROUGHING MILL

CNC & NC MILLS

(1) HAAS CNC 40 X 64" TRAVEL MILLING CENTER W/TOOL CHANGER

(1) NEW SHARP 3 AXIS WITH ACU RITE PROGRAMMING DXF COMPATABLE

LATHE DEPARTMENT

(1) BRIDGEPORT EASY PATH 16" CNC LATHE

(1) BRIDGEPORT EASY PATH II 18" CNC LATHE

(1) MORISEIKI 24" X 80" TOOL ROOM LATHE

(1) OKUMA 42" GAP LATHE

(1) SHARP 16" 1640L

(1) HERMES 32" X 120" LATHE - SWINGS 45" IN THE GAP WITH DIGITAL READOUT

(1) OSAMA 15" ENGINE LATHE WITH TAPER ATTACHMENT

(2) HWACHEON 23 X 59 ENGINE LATHE

(1) SCHIEES VERTICAL TURRET LATHE 64" CAPACITY, FULLY TOOLED

SURFACE GRINDERS

(1) KENT 16" X 40" WITH COOLANT

(1) MITSUI 8' X 18'

(2) ACER 6' X 18"

(1) SUPERTEC 10 X 24 PROGRAMMABLE W/COOLANT

(1) SUPERTEC 6X18

CYLINDRICAL GRINDER

(1) JONES & SHIPMAN 5" X 12"

JIG GRINDERS

(2) MOORE #3 JIG GRINDERS

(2) 40,000 RPM HEAD

(1) 60,000 RPM HEAD

(1) SLOT GRINDING ATTACHMENT

(1) MOORE ULTRA PRECISE ROTARY TABLE

(1) ELECTRIC TILTING ROTARY TABLE

(1) MOORE MOTORIZED CENTERS

JIG BORING

(2) LINDNER LB15 JIG BORERS WITH .0001 TWO AXIS DIGITAL READOUTS

(2) 30" ELECTRIC ROTARY TABLE

(1) 16" TILTING ROTARY TABLE

(1) MITSUI SEIKI BRIDGE STYLE 32 X 42 JIG BORER W/FULL TOOLING

BORING MILLS & PLANER MILLS

(1) TOSHIBA (SHIBAURA) 4" HORIZONTAL BORING MILL MODEL BT 10 B WITH
BUILT IN ROTARY TABLE AND THREE AXIS DIGITAL READOUT SYSTEMS
X=71.400 Y=57.5 Z=57.5

(1) IKEGAI 3" HORIZONTAL BORING MILL WITH BUILT IN ROTARY TABLE,
AND THREE AXIS .0001 RESOLUTION DIGITAL READOUT SYSTEM
X=43.750 Y=26.500 Z=28.750

RADIAL DRILLS & DRILL PRESSES

- (1) MODIG 2' RADIAL DRILL

WELDING EQUIPMENT & FABRICATION CAPABILITIES (CERTIFIED WELDING)

- (1) HYD MECH 13" X 18" HORIZONTAL BANDSAW WITH ANGLE CUTTING CAPABILITIES
- (1) GROB 24" VERTICAL SAW - OXY FUEL CUTTING TO 4" THICKNESS ON LOW CARBON AND LOW ALLOY STEELS
- (1) SA 150 WESTINGHOUSE WIRE FEED WELDER
- (1) TR 250-HF HELIARC WELDER (HOBART)
- (1) MILLER SYNCROWAVE 350 WELDER
- (1) MILLERMATIC WIRE FEED WELDER FOR BOTH ALUMINUM AND STEEL
- (2) LINCOLN 400 AMP WIRE FEED SQUIRT WELDERS
- (2) OXY/ACETYLENE CART TYPE SET UPS

HEAT TREATING

- (1) LUCIFER TREAT ALL FURNACE CAPABLE OF HARDENING ALL OIL AND AIR STEELS
- (1) DRAWING OVEN FOR STRESS RELIEVING, ANNEALING, NORMALIZING AND TEMPERING
- (1) ROCKWELL HARDNESS TESTER

INSPECTION

15' X 15' CONTROLLED ATMOSPHERE LAB

- (1) LS STARRETT 24 X 40 X 40 COORDINATE MEASURING MACHINE
- (1) SET OF MASTER GAGE BLOCKS FOR CALIBRATION
- (1) MITUTOYO ELECTRONIC μ INDICATOR
- (1) SET 1/4" - 2" INTRAMICS
- (1) COMPLETE SET OF MASTER GAGE PINS
- (1) COMPLETE SET OF MICROMETERS FROM 0 - 12" (1) OPTICAL COMPARATOR (1) BROWN & SHARPE TESA HEIGHT GAGE 24"

OUR MANUFACTURING SYSTEMS, CALIBRATION & INSPECTION SYSTEMS MEET OR EXCEED MIL I-45208, MIL Q-9858A AND MIL 45662A

MATERIAL HANDLING

- (1) 6000 LB YALE FORK LIFT
- (1) 8000 LB YALE FORK LIFT

NUMEROUS OVERHEAD CRANES, LIFT TRUCKS, DOLLIES AND POSITIONING DEVICES

MISCELLANEOUS SUPPORT EQUIPMENT

- (1) SUPERIOR MODEL AM HONING MACHINE W/FULL TOOLING
- (1) SUNNEN HONING MACHINE W/FULL TOOLING

- (2) DUMORE GRINDER'S W/ATTACHMENTS
- (1) SEVER ALL ABRASIVE SAW
- (3) MILWAUKEE MAGNETIC BASED DRILLS
- (2) PUNCH PRESSES FOR DIE WORK
- (1) ROPER WHITNEY 16 GAGE X 4' SHEAR
- (1) NATIONAL 16 GAGE X 4'B
- (1) PROCUNIER LEAD SCREW TAPPER
- (1) LASSY HAND TAPPER
- (1) HYDE S-20 STEEL SAW
- (1) WELLS WELLSAW STEEL STRAIGHT CUT SAW

BLACK OXIDING TANKS 20 INCH MAX PART CAPACITY