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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 BOCRA.INDUSTRIES@VERIZON.NET

MILLING MACHINES

(14) ACER ULTIMA 3VKH 10X50" TABLE

TWO ARE EQUIPPED WITH ACU-RITE MILLPOWER CONTROLS

FIVE ARE EQUIPPED WITH ACU-RITE DIGITAL READOUTS

ONE IS EQUIPPED WITH PROTOTRAK EDGE

NEW SHARP 3 AXIS WITH ACU RITE PROGRAMMING DXF COMPATABLE

(5) ACER MILLS WITH MITITOYO READOUTS

(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

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) TAKASAWI 13" X 36" ENGINE LATHE
- (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'
- (3) ACER 6' X 18"
- (1) NEW SUPERTEC 10 X 24 PROGRAMMABLE W/COOLANT

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

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) MITITOYO 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

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) 4000 LB CLARK FORK LIFT

NUMEROUS OVERHEAD CRANES, LIFT TRUCKS, DOLLIES AND POSITIONING DEVICES

MISCELLANEOUS SUPPORT EQUIPMENT

- (1) SUPERIOR MODEL AM HONING MACHINE
- (1) DUMORE GRINDER
- (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
- BLACK OXIDING TANKS 20 INCH MAX PART CAP.