



SUN
MFG. CO.

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Company Overview

Founded in 1990, Sun Manufacturing is a provider of precision machined products and services to world class OEM companies

Core Competencies

- ISO 9001:2015 Certified
- CNC Milling & Machining up to 98" x 70" x 47"
- CNC Vertical Lathe machining up to 76" OD x 59" H
- CNC Horizontal Lathe machining up to 37" OD, 13' between centers, max spindle hole 12.50" OD
- Cladding – 625, Stellite & Aluminum Bronze

Differentiators

- ISO 9001:2015 Quality Management
- Ability to machine, clad and in-house NDE makes us a one stop shop
- 28,000 sq. ft. of manufacturing space
- Situated on 13 acres with room for expansion

Materials

•Alloy •Nickel Alloys •Stainless Steel •Duplex •Stellite •Inconel/Incoloy •Aluminum •Tool Steel

KURAKI KBT-11Z CNC HORIZONTAL BORING MILL

- 4.33" SPINDLE DIAMETER
- 30 HP SPINDLE MOTOR
- TABLE SIZE 55" X 69"
- MACHINE TRAVELS:
 - X AXIS = 98.42"
 - Y AXIS = 70.86"
 - Z AXIS = 47.24"
 - B AXIS = 19.69"
- MAX TABLE LOAD = 16,500 LBS
- 3000 MAX RPM
- CONTROLLED AXIS-5(X,Y,Z,W,B)
- 4 AXES SIMULTANEOUSLY CONTROLLED



KURAKI KBM-11X CNC HORIZONTAL BORING MILL



- 4.33" SPINDLE DIAMETER
- 30 HP SPINDLE MOTOR
- TABLE SIZE = 38" X 41"
- MAX TABLE LOAD = 6600 LBS
- CAT 50 TOOLING
- 3000 MAX RPM
- CONTROLLED AXES-5 (X,Y,Z,W,B)
- 4 AXES SIMULTANEOUSLY CONTROLLED

ACCESSORIES FOR KURAKI HBM

- Cogsdill ZX200-CON facing and contouring head
- Fully CNC controlled
- Used for facing, boring, grooving of internal bores and pockets as well as R, RX, and BX Ring grooves on faces
- Tecnara right angle head attachment
 - 22.50” reach to center of spindle on head
 - Min bore is 8.59” dia.



O-M NEO 16

- 63” DIAMETER TABLE
- 50 HP MAIN MOTOR
- MAX TURNING DIA. = 78-3/4”
- MAX TURNING HEIGHT = 59”
- MAX TABLE LOAD = 19,600 LBS
- FULL CNC CONTROLS



YAMA SEIKI VBM-1600 (X2)



- 4 AXIS VERTICAL MACHINING CENTER
- TABLE SIZE = 71" X 31.5"
- X AXIS TRAVEL = 63"
- Y AXIS TRAVEL = 31.50"
- Z AXIS TRAVEL = 31.50"
- SPINDLE – CAT. 50
- 6000 MAX RPM
- MAX TABLE LOAD = 3300 LBS

PUMA 800L CNC LATHE

- MAX SWING OVER BED = 40.50"
- MAX TURN DIA. = 35.40"
- 32" DIA. 4-JAW CHUCK
- 25" DIA. 3-JAW CHUCK
- MAX TURN LENGTH = 126"
- STEADY REST
- 12.50" SPINDLE HOLE



HANKOOK PROTEC 9NB X 3000 CNC LATHE



- MAX SWING OVER BED: 37.40"
- SWING OVER CARRIAGE: 24.80"
- DISTANCE BETWEEN CENTERS: 118"
- 32" 4-JAW CHUCK
- 28" 3-JAW CHUCK
- STEADY RESTS TO 25.50" OD
- 6.9" SPINDLE HOLE

HANKOOK PROTEC 9NC X 4000 CNC LATHE



- MAX SWING OVER BED: 37.40"
- SWING OVER CARRIAGE: 24.80"
- DIST. BETWEEN CENTERS: 157"
- 32" 4-JAW CHUCK
- 25.50" STEADY RESTS
- 10" HOLLOW SPINDLE

SAMSUNG SL45 CNC LATHE



- 2-AXIS CNC TURNING CENTER
- MAX CUT DIA:27.2"
- MAX CUT LENGTH:120"
- X-AXIS:13.8"
- Z-AXIS:123"

FORTUNE V46

- 2 AXIS CNC TURNING CENTER
- 21" HYDRAULIC CHUCK
- MAX TURNING DIA. = 28.74"
- SWING OVER CARRIAGE = 20.47"
- 69" CENTER



YAMA SEIKI GS-460

- BAR CAPACITY = 8.07"
- MAX TURNING DIA. = 24.01" X 37.40" AND MAX LOAD = 1,870 LBS.
- 50 HP MOTOR
- MAX SWING DIA. = 29.13"
- 25" 3-JAW CHUCK AND 25" 4-JAW CHUCK
- STEADY REST HAS A CAPACITY OF 3.40" THRU 18-1/2"



YAMA SEIKI GS-400

- 2 axis CNC turning center
- 18" hydraulic chuck
- Max swing = 29.13" dia.
- Max turning length = 37.40"
- Max turning dia. = 24.01"



TAKISAWA



- MAX SWING OVER BED = 19.80"
- MAX TURN = 11.80" DIA.
- 12" HYDRAULIC CHUCK
- 3200 MAX RPM
- 3.07" SPINDLE HOLE
- MAX TURN LENGTH = 24"

KINGSTON 26" X 90" MANUAL LATHE



- 26" SWING OVER WAYS
- 35" SWING IN GAP
- 12-1/2" SWING OVER CROSS SLIDE
- 90" MAX DISTANCE BETWEEN CENTERS
- 15", 24", 32" 4-JAW CHUCK
- 18" 3-JAW CHUCK
- STEADY REST TO 15" CAPACITY
- 4-1/16" DIA. HOLE THRU SPINDLE

VERTICAL MILLS-MANUAL

- **Kingston Model KMT-4V**
 - With Newall digital readout, 3 HP motor, power feeds in X & Y axis, table 50" x 10"x, travel 36" x 16"
- **Bridgeport Series I**
 - With Accu-Rite II digital readout, 2 HP motor, longitudinal power feed, table length 42", longitudinal travel (X-axis) 30", saddle travel (Y-axis) 12", knee travel (Z-axis) 16"
- **Kondia FV1**
 - With Teledyne digital readout, 2 HP motor, longitudinal power fee, 7" riser block, table length 48"

ARC-05P+ CLAD SYSTEM



- HOT WIRE TIG
- X AXIS 24" TRAVEL
- Z AXIS 50" TRAVEL
- Y AXIS 4" TRAVEL
- TABLE CAP. 20,000LB
- MAX PART HEIGHT 42"

ARC-05HV HORIZONTAL & VERTICAL CLADDING SYSTEM



- HOT WIRE TIG
- X AXIS 60" TRAVEL
- Z AXIS 60" TRAVEL
- Y AXIS 4" TRAVEL
- 5,000LB 3-JAW CHUCK
- 30" MAX PART HEIGHT

QUALITY CONTROL



- GAGEMAKER MIC-TRAC MT-3000
- GAGEMAKER JSS THREAD MEASUREMENT
- GAGEMAKER BX-1000
- GAGEMAKER BXG-1000
- GAGEMAKER MRP GAGES
- MICROMETERS 1"-40"
- ID MICROMETERS -80"
- VARIOUS BORE GAGES
- VARIOUS API RING/PLUG GAGES
- VARIOUS PLUG AND RING GAGES

QC CONT.

MAGNETIC PARTICLE INSPECTION



DYE PENETRANT/HARDNESS TESTING



MATERIAL HANDLING EQUIPMENT

- **Hyster LP Forklift**
 - 12,000 lb capacity
- **Toyota LP Forklift**
 - 5,000 lb capacity
- **Bridge Crane**
 - 20,000 lb capacity
- **Jib Crane-Coffing Electric Hoist (3)**
 - 4,000 lb capacity
- **Jib Crane – Coffing Hoist (2)**
 - 2,000 lb capacity