



EQUIPMENT & FACILITY LIST

THERMAL SPRAY

THERMAL SPRAY FACILITY:

- 8 - THERMAL SPRAY CELLS
- 5 - THERMAL SPRAY STATIONS

THERMAL SPRAY EQUIPMENT:

- 6 - J.P. 5000 H.V.O.F. SPRAY SYSTEMS
- 4 - JET KOTE H.V.O.F. SPRAY SYSTEMS
- 1 - DJ-C SPRAY SYSTEMS
- 1 - MP-100 (JET-KOTE / PLASMA)
- 1 - MP-50 (JP-5000 / JET-KOTE)
- 2 - FST PLASMA SYSTEM
- 3 - PLASMA NON-TRANSFERED ARC SYSTEMS (METCO)
- 5 - TWIN WIRE ARC SYSTEMS (Tafa & MILLER)
- 5 - COMBUSTION WIRE SYSTEMS (METCO)
- 4 - COMBUSTION POWDER SYSTEMS (METCO & COLMONOY)

BLASTING EQUIPMENT (SURFACE PREP):

- 1 - 20' x 20' BLAST ROOM
- 3 - BLAST CABINETS (SMALL)
- 2 - VACUUM BLASTS
- 1 - SHOT PEEN

AUXILIARY EQUIPMENT:

- 4 - MOTOMAN 6 AXIS ROBOTS
- 2 - FANUC 6 AXIS ROBO
- 1 - META-LAX VIBRATORY STRESS RELIEF MODEL 1701 CONTROLLER WITH A 1FD INDUCER SUITABLE FOR PARTS UP TO 10,000 LB

TURNING EQUIPMENT FOR SPRAY SHOP:

- 5 - TURNING LATHES-(UP TO 60" DIA. & 20' LONG)
- 6 - TURN TABLES-(UP TO 6'DIA.)
- 1 - SET OF TANK ROLLERS
- 1 - SET OF CENTERLESS ROLLERS

METALLURGICAL LAB FACILITY:

- *SAMPLE / COUPON PREPARATION
- *MICROSCOPY EVALUATION
- *LIGHT OPTICAL
- *SURFACE PROFILE READINGS
- *BOND LINE CONTAMINATION
- *MICRO-HARDNESS
- *DIGITAL IMAGING
- *SURFACE VISUAL COMPARATORS FOR CLEANLINESS AND/OR CONTAMINATION
- *ADHESION TESTS FOR BOND AND TENSILE STRENGTH
- *MICROGRAPHIC EVALUATION COMPLETE WITH COMPUTER GENERATED PHOTOGRAPHS

LASER:

- 2 - COHERENT ISL 4000L 4KW DIRECT DIODE LASERS WITH FRAUNHOFER COAXIAL CLADDING NOZZELS
- 1 - COHERENT 1000L 1KW FIBER LASER WITH PRE-CITEC YC 50 CLADDING NOZZEL
- 1 - FANUC M710I SIX AXIS ROBOT WITH COORDINATED MOTION KOIKE ARONSON TWO AXIS POSITIONER WITH 8000 LB CAPACITY
- 1 - FANUC ARC MATE 120 SIX AXIS ROBOT WITH COORDINATED MOTION TWO AXIS POSITIONER WITH 1000 LB CAPACITY
- 1 - MOTOMAN UP50 SIX AXIS ROBOT WITH COORDINATED MOTION TWO AXIS POSITIONER WITH 1800 LB CAPACITY



EQUIPMENT & FACILITY LIST

MACHINE & GRINDING

LATHES:

LeBLOND 32" X 252"
2 X RAZAN 27" x 120"
LeBLOND 32" X 312"
LEHMAN 42" x 72"
NATIONAL 36" x 120" (8" H/S)
CLAUSEN 16" X 60"
CLAUSEN 22" X 120"
MAZAK QUICKTURN NEXUS 350-11 CNC LATHE
MAZAK M5 CNC LATHE - 24" SWING, 13" OVER
CROSS SLIDE, 102" C to C

GRINDERS - O.D.:

NORTON O.D. 42" X 240"
CYLINDRICAL-LANDIS 18" x 72"
CYLINDRICAL-LANDIS 36" x 96"
CYLINDRICAL-LANDIS 14" x 120"
CYLINDRICAL-VEB 20" X 110"
CYLINDRICAL-ECOTECH 25" X 165"

GRINDERS - I.D.:

HEALD PLANETARY I.D. 10" X 54"
HEALD I.D. 20" X 16"
HEALD 74
HEALD 272
CHURCHILL PLANETARY 40" X 96"

OTHER GRINDERS:

TOOL POST-DUMORE (2)
ROTARY SURFACE-HEALD

HONING CAPABILITIES:

O.D. & I.D. HONE-SUNNEN
ID HONE 50" X 48" TRAVEL
MORANDO 24" x 160"

BUILDING SPACE:

90,000 SQ. FT.
MILLS - HORIZONTAL & VERTICAL:
5" BAR HORIZONTAL BORING MILL
LUCAS HORIZONTAL 5" BAR, 48" X 60" TABLE,
48" TRAVEL
- 42" ROTARY TABLE
- 4 AXIS DIGITAL READ OUT
INDEX MILLING MACHINE
MILWAUKEE MILLING MACHINE
ACER MILLING MACHINE
STANKO VERTICAL BORING MILL 110"
BULLARD VERTICAL BORING MILL 96"
BULLARD VERTICAL BORING MILL 54"
BULLARD VERTICAL BORING MILL 42"
HELICAL THREAD MILL 26" X 96"
TOSHIBA CNC VERTICAL MILL -
X24' - Y36" - Z84" PROGRAMMABLE 4TH AXIS

OTHER MACHINERY:

DRILL PRESSES
HYDRAULIC PRESS
STRAIGHTENING PRESS
CINCINNATI RADIAL ARM DRILL

SPECIAL SERVICES:

PORTABLE GEAR PULLER
BEARING WARMER 26" X 15"
GRANITE INSPECTION TABLE 3' X 9'
HYDROSTATIC TEST STAND

LIFTING CAPACITY:

60 TONS