

A-Line/Muru

Innovative Machining Solutions for
Aerospace, Defense and Satellite

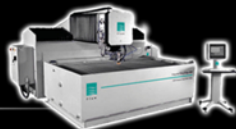
CNC MACHINING

HAAS VF6 (5 Axis)
HAAS VF5 #1 (5 Axis)
HAAS VF5 #2 (5 Axis)
HAAS VF4 #1 (5 Axis)
HAAS VF4 #2 (5 Axis)
HAAS VF5 #3
HAAS VF5 #4
HAAS VF5 #5
HAAS VF3
HAAS VF2
HAAS TM2
HAAS TM3



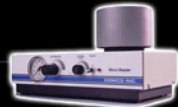
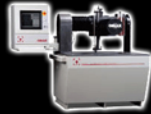
CNC TURNING

PUMA 300C #1
PUMA 300C #2
COLCHESTER Tornado 300#1
COLCHESTER Tornado 300#2
COLCHESTER Tornado 300#3
COLCHESTER Tornado 300#4
HAAS GT 10
HAAS SL20
HAAS ST-30
HAAS TL2
H.H. ROBERTS DY510X1500



WATERJET

5 AXIS FLOW Waterjet 6' X 12'
OMAX 2652A 2' x 4'



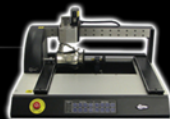
SAND BLASTING

EMPIRE EF-2448
MICROBLASTING COMCO WS6000-01



WELDING

Hobart MIG-Weld
Hobart TIG-Weld
Lincoln Electric Power MIG 255 C
Lincoln Electric TIG 275
Airco 3DDR 345B Arc Welder



DEBURRING & POLISHING

MICROSCOPIC DEBURRING
5 MICROSCOPES



PART MARKING

DOT PEEN MARKING SYSTEM
ROTARY ENGRAVING
MICRO ENGRAVING
ELECTRO-CHEMICAL ETCHING

WIRE EDM

CHARMILLES ROBOFIL 440CC
FANUC Alpha 1C
FANUC Alpha 1/C
FANUC Alpha 0B



SINK EDM

SODICK AD3L CNC
SODICK AQ55L CNC
JSEDM 304N
JSEDM 505N



EDM DRILL

JOEMARS CNC DN40 #1
JOEMARS CNC DN40 #2
JOEMARS JM325D



PRECISION GRINDING

40" ROTARY Surface Grinder
18" ROTARY Surface Grinder
Proth 12" X 24" Surface Grinder
TOS BU28 Cylindrical



HONING

SUNNEN MBB 1650



INSPECTION EQUIPMENT

BROWN & SHARPE 5 AXIS CMM ONE 7.10.7
BROWN & SHARPE REFLEX 454
MITUTOYO PJ-14LS Optical Comparator
36" X 48" Surface Plate
Surface Finish Analyzer
Gauge Blocks & Pins

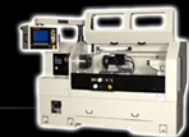


CONVENTIONAL MACHINING

TOS SN 71C Lathe
GRAZIANO Sag 15 Lathe
Arboga Drill Center

BENDING & FORMING

4' ALLSTEEL PRESS BRAKE
CBC UNI 42A TUBE BENDER



CNC SAW CUTTING

Hyd-Mech H14A Saw Center
Peerless HB-106U Bandsaw
PERRIS 350
GROB NS18



POWERED BY



FANUC Sodick



Flow

DOOSAN

+GF+

AgieCharmilles

brown & sharpe

Mastercam

JobBOSS

GAGetrak



PAS TECHNOLOGY
CMM Programming Automation

podmis