



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax: 734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

CAGE CODE: 59V92
DUNS# 826846284
JCP Cert# 0051780

NAICS: 332116, 332212, 332213, 332710, 332721, 332722, 332999, 333512, 333513, 333514, 333515, 333518, 333613, 333992, 336992

FSC: 1005, 1010, 1015, 1020, 1025, 1030, 1075, 1240, 1420, 1450, 1710, 1820, 2010, 2510, 2520, 2530, 2540, 2541, 2590, 3020, 3408, 3415, 3416, 3417, 3433, 3465, 5341, 5342

SIC: 3544, 3469, 3542, 3451, 3543, 3444, 3599, 3545, 3499, 3541

PSC: 3417, 3470, 3433, 3416, 3411, 3414, 3438, 3405

We Do Detail Work, Fixtures, Gauges, Custom Fabrication (Bending & Shearing), 3D Milling & Profiling, CNC Large & Small Turning, 4th Axis Milling, ID/OD Grinding, Waterjet Cutting & General Prototype Machining. From 1 Piece to High Quantity Production.
All done in house

FLOW WATERJET CUTTING 6' X 12' CUTTING TABLE

87,000 PSI – TWIN 50 HP MOTORS

DYNAMIC CONTOURING WITH LESS THAN 1 DEGREE OF TAPER OVER 6" LENGTH

CUTS: PLEXIGLASS - MARBLE-GRANITE-ARMOR PLATE- STEEL-PLASTIC- CARBON FIBER & MUCH MORE

EBBCO FILTRATION SYSTEM & GARNET REMOVAL SYSTEM FOR WATERJET

VERTICAL MACHINING CENTERS

HAAS VF-3	HAAS VF-4
4-AXIS	4-AXIS
X=40"	X=50"
Y=20"	Y=20"
Z=25"	Z=25"

(1) **KRYLE 20-40 CNC MACHING CENTER**

MILLS

WILLIS VERTICAL MILL

X=42"

Y=12"

DIGITAL READOUT

ALLIANT VERTICAL MILL

X=42"

Y=12"

DIGITAL READOUT

BRIDGEPORT

X=42"

Y=12"

DIGITAL READOUT



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax:734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

BORING MILLS

Devlieg Spiramatic Jig Mill Model – 3H-48

DIAMETER OF SPINDLE BAR: 3"
TAPER IN SPINDLE: No. 40
TABLE SIZE: 35" x 48"
LONGITUDINAL TABLE TRAVEL: 48"
VERTICAL SPINDLE TRAVEL: 36"
TABLE RETRACTION-PLATTEN TRAVEL: 16"
SPINDLE BAR TRAVEL: 16"
SPINDLE SPEEDS: (16) 25 - 1200 RPM
RAPID TRAVERSE RATE: 50 & 150 IPM
MILLING FEED RATES: (16) .5 - 36 IPM

CNC LATHES

MORI SEIKI SL-250 B (CNC)

10" KITAGAWA CHUCK X=9.3" Z=20.5"
BAR WORK CAPACITY 2.8" MAX TURN DIA. 15.3"

HAAS SL40 (CNC)

15" CHUCK - 36" SWING -26" OD TURNING CAPABILITY
BAR WORK CAPACITY 4.0" 40" TURNING LENGTH

HITACHI SEIKE HITEC 20S (CNC)

8" CHUCK

FACE DRIVERS

RITTEN 6" FACE DRIVER

RITTEN 4" FACE DRIVER



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax:734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

LATHES

(1) LEBLOND 19" WITH TRACER

(1) CLAUSING

(1) HARDINGE POLISHING LATHE

GRINDERS

(1) ACER SURFACE GRINDER

(1) MINAKUCHI O.D./ I.D. GRINDER

(1) PROTH HYDRAULIC SURFACE GRINDER

(1) PARKER MAJESTIC SURFACE GRINDER

(1) INTERNAL GRINDER WITH,

(2)-15000 R.P.M. EXCELLO SPINDLE

(1)-25000 R.P.M. EXCELLO SPINDLE

(1)-12500 R.P.M. EXCELLO SPINDLE

(1) PARKER MAJESTIC O.D.-I.D. GRINDER

(1) BROWN & SHARPE O.D.-I.D. GRINDER

(1) HEALD #375 I.D. GRINDER

FALCON SURFACE GRINDER 6" X 18"

SUNNEN HONE – MODEL# MBB-1800



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax: 734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

MISCELLANEOUS EQUIPMENT

KAISER PRECISION BORING HEAD FOR CNC - RANGES ARE 0.98" TO 5.91"

WIRE E.D.M. CAPABILITIES

BLANCHARD GRINDING CAPABILITIES

CERTIFIED QUALITY INSPECTION EQUIPMENT

MILLERMATIC 185 WIRE FEED MIG WELDER

MILLERMATIC SYNCHROWAVE 250 DX TIG WELDER

ROLL IN BAND SAW

DAKE CUT-OFF SAW

10" 4TH AXIS ROTARY TABLE FOR EITHER HAAS MACHINE

MANUAL ROTARY TABLE/SUPER SPACER - 8" CHUCK

CLARK HI-LO 5000 lb CAPACITY

MITSUBISHI HI-LO 2500 lb CAPACITY

BIG JOE HI-LO

(2) 10 H.P. AIR COMPRESSOR

(1) TRICO SAND BLASTER – 42 x 42 Table

WELDING OUTFIT ARC & ACETELYNE

(1) PORTER CABLE MODEL B-9 VERTICAL & HORIZONTAL SANDER

(1) 400- TON LOUIS SMALL PRESS

(1) 150- TON PRESS

(1) ROCKWELL TESTER – Hra, Hrb & Hrc Scale



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax:734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

INSPECTION EQUIPMENT

(1) BROWN & SHARP MICR-VAL CMM

(1) MITUTOYO WITH GE CHECK AND OPTPEYE M-1

(6) SHEFFIELD VISUAL GAGES

(2) 16" 15 1/1,000,000 GRADUATIONS

2 4 1/2 25 1,000,000 GRADUATIONS

2 50/1,000,000 GRADUATIONS

(1) 39X43 GRANITE SURFACE PLATE

(1) 24X36 GRANITE SURFACE PLATE

(1) 18X24 GRANITE SURFACE PLATE

(1) 24" ROUND SURFACE PLATE

(4) STANDARD GUN HOLE GAGES FROM 1" TO 10"

ASSORTED HEIGHT GAGES

OPTICAL FLAT TESTERS AND CERTIFIED JO-BLOCKS

0-12" MITUTOYO MICROMETER

12"-13" MITUTOYO MICROMETER

12"-18" MITUTOYO MICROMETER

16"-20" MITUTOYO MICROMETER

20"-24" MITUTOYO MICROMETER

(1) OPTICAL COMPARATOR'S



BLADES ENTERPRISES, LLC
25220 Trans X Drive
Novi, MI 48375
Tel: 734-449-4479 Fax:734-449-3464

Email: Daniel Blades - daniel@bladestool.com

Email: Bill Berry - bill@bladestool.com

C.A.D. / C.A.M. SOFTWARE

AUTOCAD 2004

MASTERCAM VER 9.1

FEATURECAM 2004 3D MILLING & TURNING

ABLE TO READ SOLIDWORKS 2004

WE OFFER BOTH PICKUP AND DELIVERY.

WE ARE ABLE TO WORK WITH IGES & DXF FILES ALONG WITH MOST OTHER FILE FORMATS THAT YOU MAY USE.