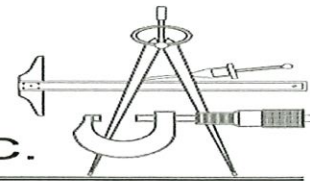


# Stuart

TOOL & DIE, INC.



Precision Machining, Molds, Dies, and Tools  
Falconer, New York

www.stuartny.com

(716) 488-1975

**SERVING AEROSPACE, AUTOMOTIVE, TRACTOR-TRAILER, ENERGY,  
FOOD PACKAGING, & MEDICAL INDUSTRIES  
+ LOCAL INDIVIDUALS**

- MACHINING OF SPECIALIZED PARTS
- BUILDERS OF INJECTION & DIE CAST MOLDS
- FORM & TRIM DIES
- PROGRESSIVE DIES
- JIGS & FIXTURES
- SPECIAL MACHINERY

**50,000 SQUARE FEET OF MANUFACTURING AREA**

**STUART TOOL & DIE, INC. HAS A LARGE RANGE OF SOFTWARE, HAND  
TOOLS, AND AUXILIARY EQUIPMENT TO COMPLIMENT THE  
FOLLOWING MACHINES**

**CNC MILLING - ALL SIZES (X,Y,Z):**

- 2 AIR TURBINE SPINDLE SPEEDER HEADS - 50K RPM
- 2 HAAS UMC-750SS, 5-AXIS 30 x 20 x 20 TRAVEL (1 w/Midaco Pallet Changer, 19 Pallets)
- 1 HAAS SMM2 CNC VMC 20 x 16 x 14 TRAVEL
- 2 HAAS VF3 CNC VMC 40 x 20 x 25 TRAVEL
- 1 HAAS VM3 CNC VMC 40 x 26 x 25 TRAVEL
- 1 HAAS VF3YT CNC 50 TAPER VMC 40 x 26 x 25 TRAVEL
- 1 HAAS VF5SS CNC VMC 50 x 26 x 25 TRAVEL
- 1 HAAS VF11 CNC VMC 120 x 40 x 30 TRAVEL
- 1 HAAS HRT 450, 18" 4TH AXIS INDEXER
- 1 HAAS HRT 310, 12" 4TH AXIS INDEXER
- 1 HAAS HRT 210, 9" 4TH AXIS INDEXER
- 1 HERMLE C12U 5-AXIS 13 3/4" (X) x 17 3/8" (Y) x 13" (Z)
- 1 NIKKEN/LYNDEX RIGHT ANGLE DRILL HEAD
- 2 PARLEC/GERARDI RIGHT ANGLE DRILL HEADS

## **MANUAL MILLING:**

- 1 ACER E-MILL WITH ACCU-RITE READOUTS AND POWER FEED
- 1 BRIDGEPORT 1-1/2 HP MILL
- 1 BRIDGEPORT 2 HP MILLS WITH ACCU-RITE READOUTS AND POWER FEED
- 1 CINCINNATI HORIZONTAL MILL
- 3 KONDIA 3 HP MILLS WITH ACCU-RITE READOUTS AND POWER FEED
- 1 LAGUN 3 HP MILL WITH ACCU-RITE READOUTS AND POWER FEED

## **CNC TURNING:**

- 5 MAZAK QUICK TURN 350 TURNING CENTER 26" CAPACITY
- 1 MAZAK QUICK TURN 450 TURNING CENTER 36" CAPACITY
- 1 MAZAK QUICK TURN 350MY with MILLING CAPABILITIES & Y-AXIS FUNCTIONALITY
- 1 MAZAK 100ST INTEGREGX (5 AXIS) TWIN SPINDLE, DUAL TURRET MILL/TURN CENTER
- 1 MAZAK 200ST INTEGREGX (5 AXIS) TWIN SPINDLE, DUAL TURRET, MILL/TURN CENTER
- 1 SAMSUNG SL65 SLANT TURN CNC LATHE 40" SWING, 35" TURN CAPACITY FANUC CONTROLLED
- 1 VIPER VT-20 CNC TURNING CENTER 8" CHUCK

## **MANUAL TURNING:**

- 1 CLAUSING COLCHESTER 13" LATHE WITH ACCU-RITE READOUTS
- 1 CLAUSING COLCHESTER 15" LATHE WITH ACCU-RITE READOUTS
- 1 WEBB 15" LATHE WITH ACCU-RITE READOUTS
- 1 KINGSTON 28" LATHE WITH ACCU-RITE READOUTS
- 2 SCHAUBER 5C SPEED LATHES (POLISH JACKS)

## **GRINDING:**

- 1 CINCINNATI #20M CENTERLESS GRINDER
- 2 CINCINNATI 12 x 36" CYLINDRICAL GRINDERS (R56)
- 4 GARDNER 10-15" SURFACE GRINDERS
- 1 HEALD 361, 24" ROTARY SURFACE GRINDER
- 1 HEALD 261, 17" ROTARY SURFACE GRINDER
- 1 HARIG 6-18" SURFACE GRINDER
- 1 LANDIS 14 x 36" UNIVERSAL CYLINDER GRINDER
- 1 MEDINA 10 x 15" END GRINDER
- 1 MOORE NO. 2 JIG GRINDER 10 x 20" TRAVEL IN ATMOSPHERE CONTROLLED ROOM WITH LARGE COMPLEMENT OF AUXILIARY EQUIPMENT
- 1 OKAMOTO 16 x 32" HYDRAULIC SURFACE GRINDER (2016)
- 1 OKAMOTO 12x24" HYDRAULIC SURFACE GRINDER
- 1 OKAMOTO BORE GRINDER - IGM-2M
- 1 OKAMOTO BORE GRINDER - IGM-15NC III
- 1 PARKER MAJESTIC 6 x 12 w/MOORE PANTOGRAPH DRESSING CAPABILITIES
- 1 SUPERIOR HONE MODEL #J-2WR

## **DRILLING EQUIPMENT:**

- 1 BUX MAGNETIC BASE DRILL
- 1 CARLTON 4 x 13" RADIAL DRILL
- 1 CARLTON 4 x 11" RADIAL DRILL
- 3 LELAND GIFFORD 15" DRILL PRESSES
- 1 MILWAUKEE MAGNETIC BASE DRILL

## **DRILLING EQUIPMENT (CONT).:**

- 1 BUFFALO No. 15 DRILL PRESS
- 1 CLAUSING 14" DRILL PRESS
- 1 DELTA ROCKWELL DRILL PRESS 1HP
- 2 FLEX ARM POWER TAPPING MACHINES
- 2 ROTOFERA RIGHT ANGLE DRILLS

## **DESIGN CAPABILITIES:**

- 1 ESPRIT CAD/CAM WIRE EDM
- 1 ESPRIT CAD/CAM TURNING
- 1 DRAFTSIGHT (2D) CAD: 2 Workstations
- 1 HYPERMILL 3D CAM SOFTWARE: 3 Workstations
- 1 TOPSOLID (Full 3D) CAD: 4 Workstations
- 1 TOPSOLID (3D) NC PROGRAMMING: 8 Workstations

## **INSPECTION:**

- 1 FARO QUANTUM s MAX 6-AXIS CMM ARM with FARO BLUE xP LASER SCANNING
- 1 HELMEL MICROSTAR 30" x 40" x 20" (Z) COORDINATE MEASURING MACHINE
- 1 HELMEL PcCMM PLUS MANUAL CMM 20" x 30" x 16"
- 1 14" J & L OPTICAL COMPARATOR WITH READOUTS
- 1 30" J & L OPTICAL COMPARATOR WITH READOUTS
- 2 MAHR SURFACE PROFILOMETER
- 2 MITUTOYO DIGITAL MEASURING SCOPE
- 2 WILSON ROCKWELL TESTERS (1 with EXTENDED TRAVEL)

## **SUPPORT EQUIPMENT:**

- 2 ATLAS COPCO 50HP ROTARY SCREW AIR COMPRESSORS
- 1 DAREX XT3000 DRILL SHARPENER w/LARGE DRILL ATTACHMENT
- 1 FARREL 3/16 TO 1 1/2 DRILL SHARPENER
- 1 18" FAMCO ARBOR PRESS
- 1 HYSTER 3000 LB CAPACITY FORKLIFT
- 1 HYSTER 4500 LB CAPACITY FORKLIFT
- 1 JLG COMMANDER SIZZOR LIFT 750 LB 20'
- 1 KR WILSON 100 TON HYDRAULIC PRESS
- 1 MOBILASE #MFP-30X INDUSTRIAL FIBER LASER MARKER
- 1 24" x 28" x 44" SKAT BLAST SANDBLAST CABINET
- 1 24" x 28" x 55" SKAT BLAST SANDBLAST CABINET
- 1 TOYOTA 7000 LB CAPACITY FORK LIFT

## **FABRICATION EQUIPMENT:**

- 1 16 GAGE DR-ACRO 90° CORNER NOTCHER
- 1 54" HOUDAILLE BOX & PAN BRAKE
- 1 LORS SPOT WELDER - LIQUID COOLED
- 1 MILLER MATIC 251 MIG WELDER
- 1 MILLER SYNCROWAVE 350 LX TIG WELDER
- 1 36" NELSON SHEAR
- 1 42" NIAGRARA HAND BRAKE
- 1 SOLAR 2175 WIRE FEED WELDER
- 1 22 GAGE, 36" TENNSMITH SLIP ROLL
- 1 48" TENNSMITH SHEAR
- 1 THERMAL DYNAMICS PLASMA CUTTER
- 1 60" x 96" WELDSALE WELD TABLE

## **STAMPING PRESSES:**

- 1 CINCINNATI 225 TON HYDRAULIC PRESS BRAKE w/12' BED
- 1 FEDERAL OBI 60 TON PRESS
- 1 FEDERAL OBS 150 TON PRESS
- 1 FERRACUTE OBI 35 TON PUNCH PRESS
- 1 FERRACUTE OBI 60 TON PUNCH PRESS
- 1 JOHNSON OBI 60 TON PRESS
- 1 KOMATSU HIF 80 TON CS-11 SERVO GAP FRAME PRESS
- 1 MINSTER OBI 56 TON PUNCH PRESS
- 1 NIAGARA ELECTRIC OVER HYDRAULIC 150 TON PRESS
- 1 NIAGARA 250 TON HYDRAULIC PRESS BRAKE w/12' BED

## **ELECTRICAL DISCHARGE MACHINING:**

- 2 MITSUBISHI MD PRO II WIRE EDM MACHINES
- 1 MITSUBISHI EA8 RAM EDM WITH ORBITING AND THREADING CAPABILITIES
- 1 STABILYNN ELECTRODE DRILL MACHINE

## **HEAT TREAT:**

- 1 FLAME HARDENING AND OIL QUENCH CAPABILITIES
- 1 GE DRAW OVEN 7" x 20" x 23"
- 1 LINDBERG HEAT TREAT FURNACES 2200 DEGREES FAHRENHEIT 12" x 12" x 30"
- 1 LUCIFER HEAT TREAT FURNACES 2200 DEGREES FAHRENHEIT 10" x 12" x 16"

## **SAWS:**

- 1 16" DO-ALL BAND SAW
- 1 20" DO-ALL BAND SAW
- 1 ELLIS CUTOFF SAW
- 1 16" EVERETT ABRASIVE SAW
- 1 24" GROB BAND SAW
- 1 20" KALAMAZOO WET/DRY ABRASIVE SAW
- 2 KYSER JOHNSON CUTOFF SAWS
- 1 MARVEL SPARTAN AUTOMATIC HORIZONTAL BAND SAW
- 1 PORTER-CABLE PORTABAND - HAND HELD BAND SAW