



CLASSIC TOOL & DIE INC.

Building Tomorrows Tooling Technology

Like great masterpieces, Classic Tool & Die's design and build solutions are perfectly balanced creations of innovation and inspiration, empowered by exceptional skill, vision and artistry of a great manufacturer.

Dedicated engineers, accredited with years of experience in the field of die design, plan the development of your tools. Optimizing material usage, minimizing maintenance and eliminating all customers' concerns of running high volume dies, is our area of expertise.

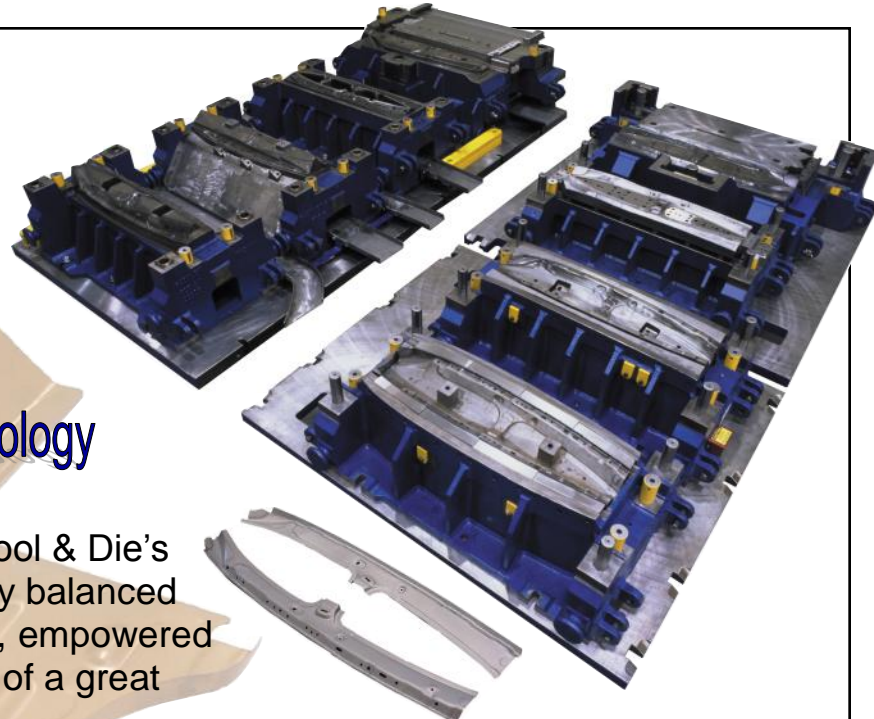
Specializing in progressive, transfer and line dies, Classic Tool & Die Inc. utilize CAD/CAM precision machining with a variety of try-out presses to serve the local auto industry in Ontario and Mid-Eastern U.S.A. Skilled tradesmen program and operate advanced machinery such as Wire-Cut EDMs and Parpas CNC mills, aiding in their manufacture of quality tools, dies, and prototypes. Using the latest in simulation software technology for reverse engineering, Classic Tool & Die Inc. reproduces parts directly from customer's samples or CAD data.

A comprehensive quality control inspection is carried out during the entire manufacturing process, because at Classic, we are committed to exceed the expectations of our most fastidious customers. This commitment has rewarded us with a trail of successes from our inception in 1978 and continues to encourage us to maintain this dedication today.

Creative Ideas ***** Powerful Solutions ***** Excellent Results



2325 Olympia Dr. Oldcastle, Ontario, N0R 1L0
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CLASSIC TOOL & DIE INC.

2325 Olympia Dr. - Oldcastle, Ont. Canada - N0R 1L0
ph. (519) 737-6618 - fax (519) 737-1642

1500 T Danly Stamping Press

Now available for your high / low volume
and try-out stamping requirements

Press Specifications:

Capacity	1500 tons
Bed size	96" x 212"
Strokes / minute	8 - 20
Shut height	109"
Stroke	36"
Rolling bolster	
Inching motor	

Feeder Specifications:

Dallas 72" x 0.150" feeder
Egan 48" 20,000 lb Decoiler

(decoiler to be upgraded to a 72"
30,000 lb unit)

For further information contact:
Adriano Oppio
info@classic-tool.com



WIRE CUT EDM SERVICE

Classic Tool & Die Inc. is not just a preferred metal stamping die supplier, but also a valuable source for customers with Wire-Cut EDM needs. In 1984, Classic Tool & Die pioneered wire cut EDM service in Southern Ontario. Today, more than ever, we understand the demands you face to produce larger and more complex components. Classic, the most experienced in EDM wire cutting, can accommodate your oversized work pieces, using machines with the largest cutting capacity available in North America. Don't let your customers' larger tooling requests limit your options to conventional machining. Call us for solutions. We offer the largest Wire EDM capacity to meet tomorrow's challenges today:

- DIES
- MOULDS
- DETAILS
- PROTOTYPES
- LOW / HIGH VOLUME PARTS PRODUCTION

Give us any work piece of conductive material, soft or hardened, including carbide and titanium, and let us put our system to work for you. With the best technology to cut material in two or four axis with a Z height of up to 20", the possibilities are endless. We can generate cutter paths from customer CAD data, print, or your part may be digitized from a sample. Give us your biggest, we'll give you our best.

Machine Type	Hitachi 8Q	Charmilles Robofil 690	Elox M series	Elox P series
Maximum Work Piece	X-60" Y-41" Z-20"	X-54.5" Y-39.5" Z-16"	X-32" Y-38" Z-7.75"	X-25" Y-30" Z-8"
	39.375" x 31.5"	39.375" x 31.5"	14" x 20"	14" x 10"
	4,600 lbs	4,410 lbs.	660 lbs.	352 lbs.
	Over 7.875"	Over 4.375" +/- 15 deg	Over 4" +/-	Over 4" +/- 10 deg

Adriano Oppio
Wire EDM Applications

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Precision Machining Service

As part of our mission to provide complete manufacturing solutions to our customers, Classic Tool & Die offers unparalleled machining using a wide variety of materials. Whatever the size or volume of your product, our precision machining services can help you drive down costs, shorten lead times and simplify your supply chain. We provide machining for a wide variety of markets including the automotive, automation, aerospace, medical, and research/testing industries.

Achieve your machining objectives

When your project demands machined components with strict tolerances for quality, cost and time-to-market, Classic Tool & Die delivers the right solution for your precision machining and metal fabrication requirements. Precision machining benefits include:

- Low/high volume CNC and metal stamping production
- Medium- to high-complexity components
- In-house welding (TIG, MIG)
- 30 years experience in Wire-EDM cutting and currently operates the largest EDM in North America
- In-house CMM capabilities
- Fully equipped engineering department utilizing the latest in CAD and simulation software
- Small to large fabrications

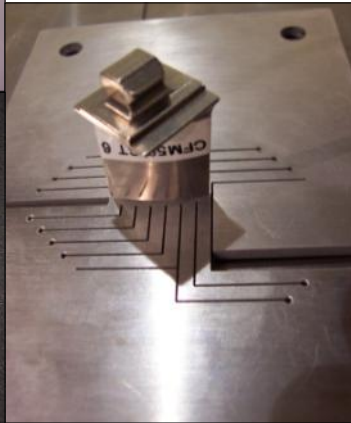
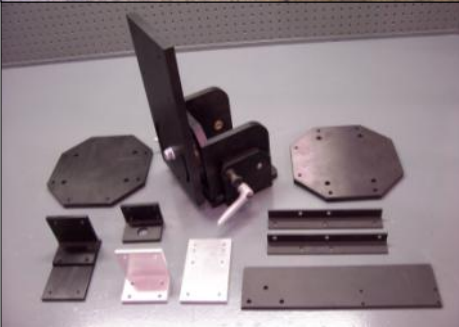
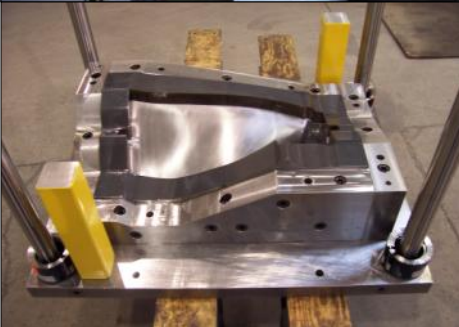
Efficiency

Our number one focus is to streamline your production and deliver the services you need to stay competitive. Our value-added services include:

- Design and engineering
- "Lights-out" manufacturing
- Rapid-response production support

A Partner You Can Trust

When you partner with Classic Tool & Die, you gain access to a suite of state-of-the-art, computer-controlled machining equipment that satisfies your most rigorous demands for production and quality.





www.classic-tool.com

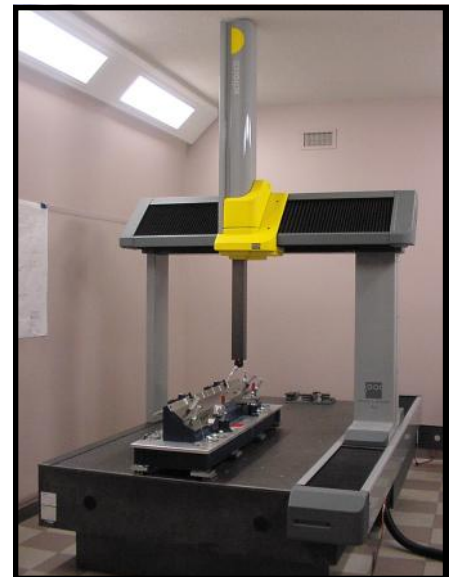
CMM INSPECTION SERVICES

At Classic Tool & Die, precision measurement is our first order of business. Our highly qualified professionals use leading edge equipment and instruments to meet your exacting measurement and quality standards. Our dedicated CMM inspection facility is in a controlled environment to provide our customers with accurate and efficient solutions for their inspection needs.

Utilizing a Dea Scirocco as the core of our quality assurance system and PC-DIMIS software, we can provide our customers with detailed inspection reports including 3D plots and graphs to demonstrate conformance of parts directly to the original CAD data.

Our services include:

- Reverse engineering. Send us your part, tool, prototypes etc. and we'll send you a CAD file
- Customized reporting including process capability and SPC analysis
- Part dimensional conformance
- Full 3D scanning capability
- Gauge and fixture qualification R&R studies
- Third party certification
- Surface or profile digitizing



Machine capacity:

X - 2m Y - 1.3m Z - 1m Weight - 4000 Kg

Adriano Oppio
CMM Applications

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CLASSIC TOOL & DIE (1986) INC.

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EQUIPMENT LIST

COMPUTER SYSTEMS

Our Engineering Department utilizes the latest high-end Intel based Workstations and Silicon Graphics Visual Workstations, all networked through highly advanced clustered redundant data servers that allow our engineers, die leaders and CNC operators to streamline operations, reduce data transfer errors and optimize jobs. Overnight unmanned machining is monitored and controlled 24 hours a day via the internet using custom software and hardware.

Software: Cimatron, Dynaform, Fastform, Cadkey, Mastercam and PC-DMIS

CNC MILLING MACHINES

All Classic CNC machines are capable of 18,000 RPM utilizing a Faemat FA80H high speed head.

Tos Varnsdorf WHN 13 CNC horizontal boring mill (Y-80", X-138", Z-50")

Parpas BF-100 with Heidenham control & Incon tracer/digitiser (X-79", Y-39", Z-35")

I.M. Parpas SL-100 CNC with Heidenham control (X-100", Y-40", Z-52")

Takumi V11A CNC with Heidenahin control (X-43", Y-22", Z-25.6")

Sharanoa HPM-85 machining centre with Tiger 6 Control (X-82", Y-32", Z-30")

Sharanoa SDC 52D with Tiger 4 Control (X-52", Y-30")

CNC WIRE ELECTRONIC DISCHARGE MACHINES

Hitachi 8Q Wire-Cut EDM : 41" x 60" x Z-20" (Largest in North America)

Charmilles Robofil 690 Wire-Cut EDM 39.5" x 54.5" x 16"

Elox Wire-Cut EDM P series with cutting capacity of 25" x 30" x 8"

STAMPING PRESSES

1500-Ton Danly 96" x 212" Bed 8-20 SPM

Feeder / straightener 72" wide x 0.150" coil capacity 30,000 lbs

650-Ton Bliss 80" x 120" Bed 15 SPM

350-Ton British Clearing 50" x 108" Bed 16 SPM

250-Ton Clearing 62" X 84" Bed 13 SPM

MEASURING EQUIPMENT

DEA Scirocco X-2.0m, Y-1.3m, Z-1.0m

48" x 62" Surface Plate

24" x 36" Surface Plates

VERTICAL MILLING MACHINES

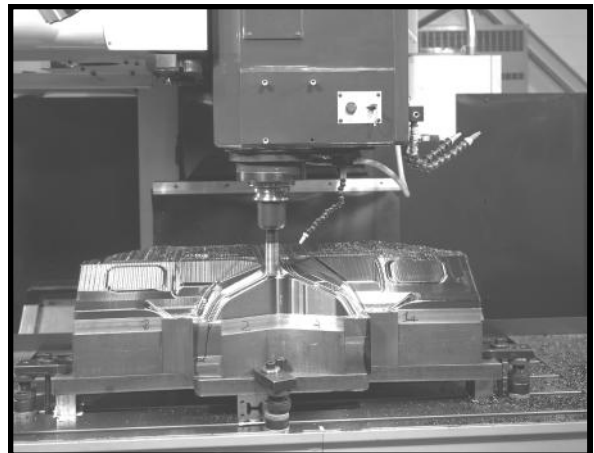
Bridgeport Milling Machine

4—First Milling Machines LC1-1/2VS

First Milling Machine LC-185VS

Tos No 5 Milling Machine

Forthworth CS-VBM-5VHL Vertical /Horizontal mill with 25" x 16" Magnetic Chuck



DRILL PRESSES

Erlo TCA-45-1 Drill Press
Mas Radial Drill 4 ft. arm V04
Mas Radial Drill 5 ft. arm V05A
Mas Radial Drill 6 ft. arm VR63

CRANES

3-ton Yale
5-ton Demag
5-ton Demag
13.7-ton Demag
20-ton Demag

GRINDERS

Okamoto ACC-12.24ST grinder 12" x 24"
Chevalier FSG-3A1224H grinder 12" x 24"
Jacobsen SJ102 surface grinder 10" x 24"
Kent KGS-616S surface grinder 6" x 14"
Ex-Cell-O Surface Grinder 6" x 18"
Boyar & Schultz No. 2 Profile Grinder
OD grinder
Sunnens Honing Machine
General Combination Disc & Belt Sander
Cutter Grinders

SAWS

Grob 4 V-24 Vertical Band Saw
Hyd-Mech S20 Band Saw
K&K rollaway saw

WELDING EQUIPMENT

Miller Syncrowave 250 AC/DC welders
Lincoln Electric Wirematic 250 Welder
Heat treating oven 16" x 21" x 9"
Oxygen & Acetylene torches

LATHE

Tarnow Lathe 24" swing 84" between centres

OTHER MACHINES/EQUIPMENT

Hyster lift Truck 4,000 lbs
Clark lift truck 6000 lbs
Hyster lift Truck 12,000 lbs.
Atlas Copco GA45 50 H.P. Air Compressor
36" Trinco Dry Blast
AR-35 Arrestall Dust Collector
Brier Drill Sharpener

TRANSPORT VEHICLES

International 7500HD truck 40,000 lb cap
Chevrolet Silverado 1/2 Ton Pick-up

FACILITY

Our modern 30,000 square foot facility is conveniently located in south-western Ontario Canada.

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