Meticulous   Intricate   Precise

The Premier Partner in Wire EDM
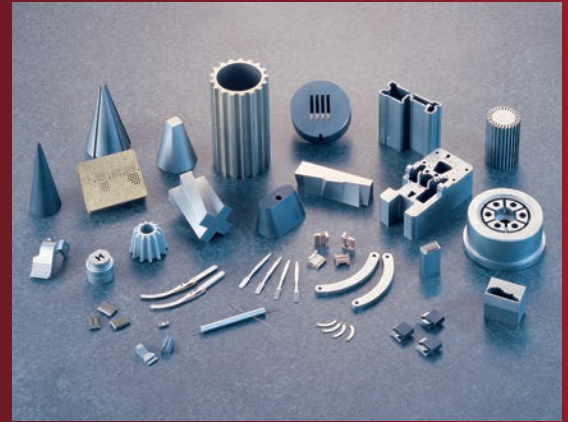
XACT

Wire EDM Corporation

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Xact is dedicated to being a premier provider of wire EDM services. Our team stays current with the latest innovations and technologies available in the industry.

Since our inception in 1984, Xact has become one of the largest wire EDM facilities in the U.S. Our experience and customer service results in benefits to our customers as their source for wire EDM services.

Our employees adhere to the highest standards of excellence and integrity. We take pride in building successful long-term relationships with the customers we serve.

Xact Wire EDM looks to work with you as your source for wire EDM services or as an extension of your machining capabilities.

Our Capabilities

Xact is one of the largest capacity wire EDM shops in the country and can handle any size or type of project.

Our programming department has the expertise to produce your product in the most efficient manner possible. We are ISO certified to the latest standards. You can count on Xact Wire EDM for the highest quality, and the latest wire EDM technology.

xactedm.com 800.798.9228

The Advantages of Wire EDM Machining

Wire EDM is a process which cuts conductive materials with a thin wire electrode that follows a programed path. The hardness of the work piece has no detrimental effect on the cutting speed. The wire EDM machine can independently move the four machine axes to generate taper cuts. Wire EDM can be accurate to +/- .0001" (.0025mm). Virtually no burrs are generated. Also, since no cutting forces are present, wire EDM is ideal for delicate parts. No tooling is required so delivery times are short. Components are machined after heat treatment so dimensional accuracy is not affected by heat treat distortion.
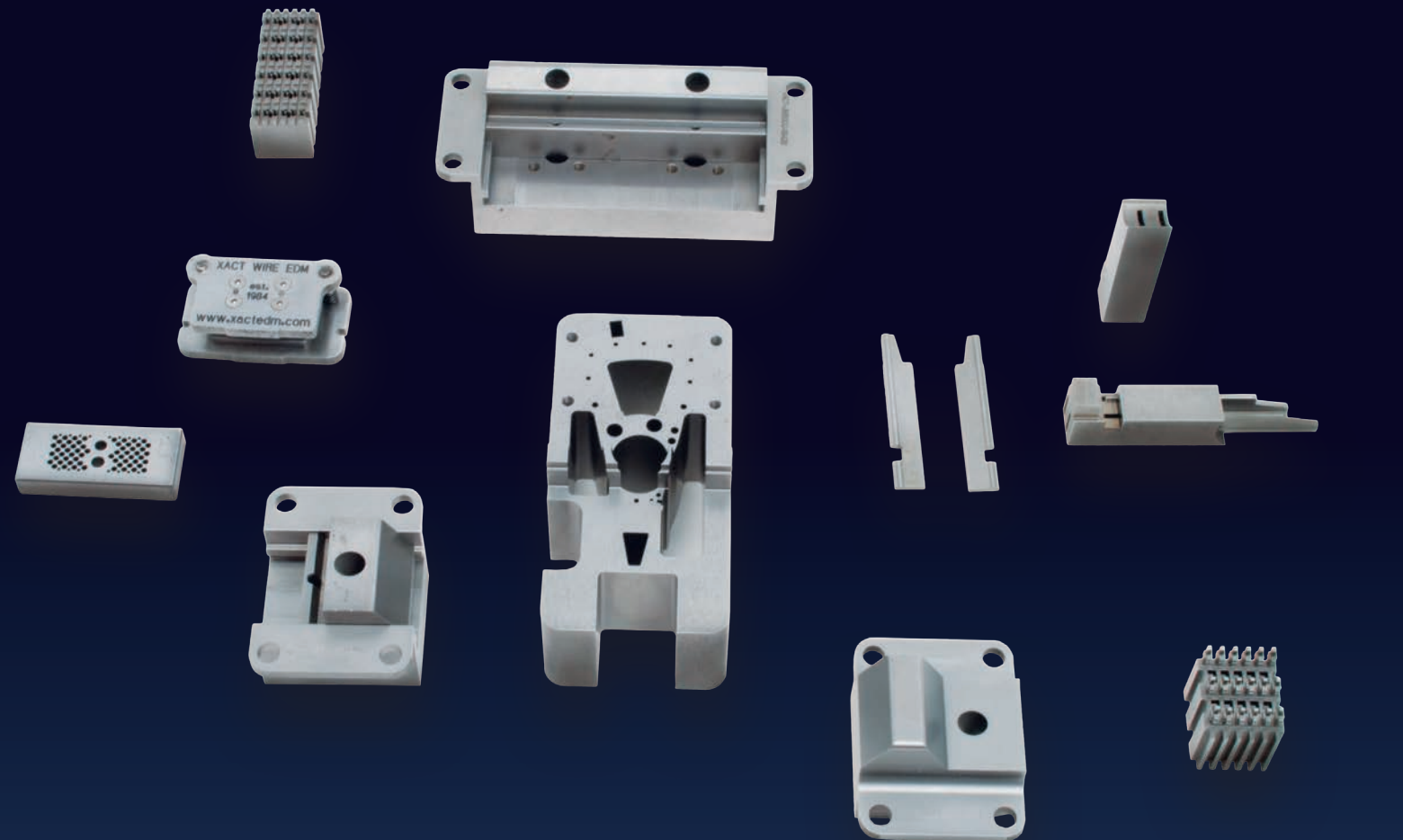
Industries

- Aerospace
- Automation/Robotics
- Automotive
- Communications
- Cutting Tools
- Defense
- Electronics
- Energy
- Food
- Machining
- Medical
- Molds, Dies & Tooling
- Packaging
- Paper Processing
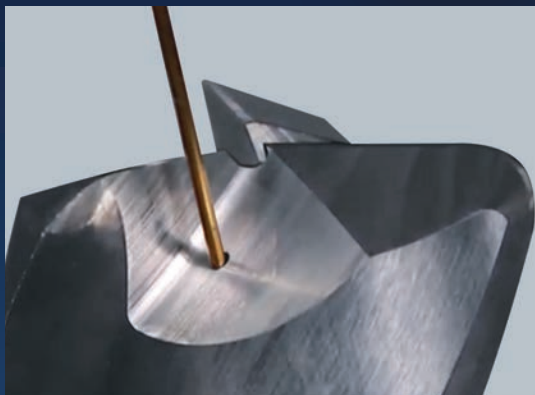- R & D / Prototypes
- Stamping
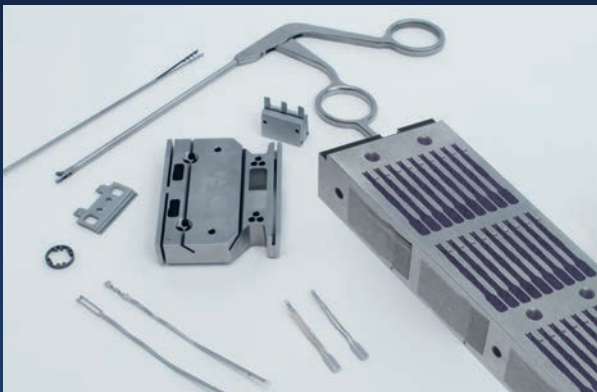
Medical

Dies & Tooling

Machine Components

Coolant holes in Cutting Tools

Laser Part Marking

XACT
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2 central locations providing nationwide coverage

WISCONSIN
N8 W22399 Johnson Dr.
Waukesha, WI 53186
Phone: 262-549-9005
Email: xactwire@xactedm.com

ILLINOIS
720 industrial Dr. Unit 126
Cary, IL 60013
Phone: 847-516-0903
Email: xact-il@xactedm.com

CERTIFIED ISO 9001:2015 COMPANY

Welcome to Xact Wire Corporation

Xact wire EDM is a premier provider of high quality, cost effective wire EDM services. We take pride in the fact that we've been providing these services to companies nationally since 1984. Whether the project is large or small we have the capabilities to meet your needs. We are one of the largest wire EDM facilities in the country, operating in 30,000 square feet of space. Xact works a 24/5 work week proudly providing the highest quality and service in the industry. Both Xact locations, Waukesha, WI and Cary, IL are ISO 9001: 2015 Certified. Our CMM systems, and OGP Vision Inspection systems allow us to accurately inspect your components with the utmost precision. We offer the best quality control in the industry. Xact also offers laser part marking for any parts that need identification. Other graphics can also be produced.

Our goal is to work with you as a strategic vendor for your wire EDM needs, and to serve as an extension of your own in-house capabilities.

Feel free to contact us with any questions on an application or about our services. You can also visit our website www.xactedm.com for more information, and to check out the latest news.

We are XACTLY what you're looking for in a premier wire EDM provider!

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Inspection Equipment

1 OGP Flash 302 with Touch Probe and TTL laser

1 OGP Avant ZIP 300 Video Inspection System (multi-sensor) 12" x 12" travel

3 OGP Smartscope ZIP 250 Video Inspection System 6" x 10" travel

1 OGP Flash 500 Video Inspection System (multi-sensor) 18" x 20" travel

1 Optodyne MCV-500 Laser Doppler Displacement Meter

3 Brown & Sharpe Global 575 CMM with PH10M indexable head and PCDMIS CAD++

2 Brown & Sharpe Reflex 454 CMM 18" x 20" x 16" with reverse engineering capabilities

3 Keyence IM7030 Instant Measurement System 7.8 x 3.9"

1 12" Optical comparator with 10x 20x and 50x lenses, and linear digital scales

1 Mahr Digimar CX 1 Height Measuring to .000005 of an inch accuracy

3 Mitutoyo Height Masters with .000005" graduations and digital readout

10 Mitutoyo Shop Height Masters

Smart Profile 3D Fitting Software and Minitab statistical software package

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Contact Our Team

CORPORATE HEADQUARTERS

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Current Small Hole EDM Capabilities

Electrode Diameter	Finished Hole Size	Maximum Thickness
0.010" (.25mm)	.012-.015" (.34mm)	1/4 inch (6mm)
0.012" (.30mm)	.014-.017" (.39mm)	1/2 inch (13mm)
0.015" (.38mm)	.017-.021" (.48mm)	1 inch (25mm)
0.019" (.50mm)	.022-.027" (.62mm)	2 inches (50mm)
0.024" (.60mm)	.027-.032" (.75mm)	2 inches (50mm)
0.024" (.66mm)	.029-.034" (.80mm)	3 inches (75mm)
0.026" (.78mm)	.034-.039" (.93mm)	4 inches (100mm)
0.031" (1.0mm)	.042-.047" (1.13mm)	5 inches (125mm)
0.039" (1.1mm)	.046-.051" (1.23mm)	5 inches (125mm)
0.043" (.25mm)	.050-.055" (1.33mm)	6 inches (150mm)
0.047" (1.2mm)	.053-.058" (1.41mm)	6 inches (150mm)
0.051" (1.3mm)	.058-.064" (1.55mm)	6 inches (150mm)
0.055" (1.4mm)	.066-.069" (1.71mm)	up to 9 inches* (225mm)
0.062" (1.6mm)	.070-.076" (1.85mm)	up to 9 inches* (225mm)
0.067" (1.7mm)	.078-.083" (2.05mm)	up to 9 inches* (225mm)
0.075" (1.9mm)	.093-.101" (2.46mm)	up to 9 inches* (225mm)
0.090" (2.3mm)	.121-.126" (3.14mm)	up to 9 inches* (225mm)

* Up to 14" part height possible depending on part configuration

EDM Small Hole Drilling in Carbide Xact Wire EDM has a machine that is ideal for it. This machine uses an oil based coolant which provides better edge control, surface finish and machining speed.

Notes:
• Finished hole sizes may vary depending on the type of material, material thickness, and machining conditions. Typical tolerance held is +/- .005"
• Maximum XY travel; X - 22.25" Y - 14.25"
• Other sizes may be available with lead time and/or large quantity orders

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Our Equipment

EDM Machines:

2 Agie Charmilles	Cut P350	13.7" x 8.6" of travel 8.6" thick. 30 degrees of taper
3 Charmilles	Robofil 4020	12.6" x 17.7" travel and 14" thick with 30 degree taper capability
6 Charmilles	Robofil 510	15.7" x 27.5" travel and 16" thick with 30 degree taper capability
2 Charmilles	Robofil 310	9.8" x 15.6" travel and 16" thick with 30 degree taper capability
5 Charmilles	Robofil 300	9.8" x 15.6" travel and 16" thick with 30 degree taper capability
4 Charmilles	Robofil 290	9.8" x 15.6" travel and 8" thick with 30 degree taper capability
1 Charmilles	Robofil 230	8.6" x 13.8" travel and 8" thick with 30 degree taper capability
1 Sodick	AQ300L LN1	7.8" x 11.8" travel and 7.8" thick with 20 degree taper capability
2 Sodick	AQ750L	19.6" x 29.5" travel and 15.7" thick with high taper capability
1 Sodick	AG600L	15.7" x 23.6" travel and 13.7" thick with taper capability
1 Sodick	ALN600G	15.7" x 23.6"travel and 13.7" thick with high taper capability
4 Sodick	AQ537L Premium	14.5" x 22.4" travel and 13.7" thick with 25 degree taper capability
6 Sodick	AG400L	11" x 15.7" travel and 9.8" thick with 25 degree taper capability
3 Sodick	AQ400L	11.8" x 15.7" travel and 9.8" thick with 20 degree taper capability
3 Sodick	AQ 327L	14.5" x 10.6" travel and 9" thick with 20 degree taper capability

High Speed Small Hole EDM Machines:

1 Charmilles	SH-2 Small Hole EDM Machine 7.8" x 11.8"
1 Sodick	K1CN CNC EDM Drilling Machine 11.8"x 15.7"
2 Current	CT300 CNC EDM Drilling Machine 12"x 8" w/ automatic Electrode Changer
1 Current	CT400 CNC EDM Drilling Machine 15.7"x 12" w/ automatic Electrode Changer
2 Current	CT500 CNC EDM Drilling Machine 14"x 22" w/ automatic Electrode Changer
1 Belmont	SY-4050ST oil-based CNC EDM Drilling Machine 19.6"x 15.7" w/ automatic Electrode Changer

Laser Part Marking and Graphics:

2 Zetalase (with rotary) laser marking machines

1 GT Schmidt Microlase laser and pin stamping machine

Support and Miscellaneous:

Solid Works, Key Creator, Esprit, Peps and ability to read most CAD files

NIST 800-171 secure file transfer ITAR Registered

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