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FAIRCHILD AUTO-MATED PARTS, INC.

Winsted, CT

Written and submitted by: Fairchild Auto-Mated Parts, Inc.

For over 71 years Fairchild Auto-Mated Parts, Inc. has been producing precision-machined parts for customers located in the USA, Canada and Mexico. From modest beginnings as a 'screw machine' shop, the company has grown in both size and in the scope of the kind of work it can perform.

A key to their continuing success is the passion that Fairchild's employees have for manufacturing. Many of our 25 employees have worked at Fairchild for over 20 years, sharing their accumulated experience



(above) Modern 6- and 7- axis Sliding headstock machines with capacity up to 42mm (1.654") diameter.



(left) The machine pictured is one of only 20 such machines ever built, combining the speed of Brown & Sharpe screwmachines with the accuracy of modern CNC machines.

alongside younger apprentices as they strive to provide each customer with parts made to print, delivered on time, all at a competitive price.

Company History

Roger Fairchild started his business in 1944 in Southington, CT before moving his operations to Winsted. Mr. Fairchild had worked previously for the Brown & Sharpe company where he had learned to appreciate the accuracy and productivity of the single spindle Brown & Sharpe screw machine. He later sold the business to his son, who died unexpectedly several years later at which time the operation of the company was turned over to Norman F. Thompson, III. Mr. Thompson who earlier had worked for many years as Chief Engineer at the William L. Gilbert Clock Company located right up the street from Fairchild. Mr.

Thompson purchased the company from Mrs. Fairchild in 1981 and hired his son, Jonathan Thompson, to assist in directing the company's sales, marketing, and engineering efforts.

Specialization

Fairchild Auto-Mated Parts, Inc. specializes in the design, manufacture and assembly of custom machined parts, working closely with customers' engineers to produce cost effective, robust components that improve the value and reliability of their final product. This focus on design optimization and production is Fairchild's only business and one to which its employees are absolutely committed to doing well. Fairchild engineers listen to their customers and make every effort to give them 100% in terms of service and attention to their needs.

Continued on page 7



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Hybrid Cam Machine converted to CNC controls and "C" axis operation.

Jake Thompson, President, says "We have fun making complex parts and welcome new challenges."

Fairchild has 7-axis CNC turning and machining centers that can produce your parts in virtually any material, up to 6" in diameter and 24" long. Orders can be as few as 50 pieces as well as production runs of 100,000 pieces and more. Parts can be machined from bar stock, saw cut blanks, forgings, castings and special extruded shapes. They are made from many materials such as brass, aluminum, copper, steel, stainless steel, plastics, as well as some aircraft grade metals.

Fairchild produces highly-precise, complex components used in everything from sewing machines and bicycles to musical instruments, valves, firearms, medical devices, HVAC systems, electrical hardware, and many other devices that we see or use on a daily basis.

Fairchild forms partnerships with its customers, exploring new ways to make their parts perform better, last longer and cost less. This collaborative approach helps their customers increase market share which, in turn, results in more business for both companies.

Versatility

Fairchild utilizes both conventional screw machines as well as state-of-the-art multi-axis CNC turning equipment, guaranteeing their customers that they will receive the best part for their money, made using the most efficient process on modern equipment.

With 15,000 square feet of manufacturing and office space, Fairchild has 14 cam screw machines, five six- and seven-axis Swiss-style CNC screw machines with up to 1.625" dia. capacity, four multi-axis lathes with up to 2.50" inch capacity work, and 8 gang style lathes suited to run quick, short run jobs using standard, low-cost tooling.

For more complex work that cannot be completed on primary machines, Fairchild has 5 vertical machining centers, with 3- to 5- axis capabilities, indexers and multi-part fixturing. Fairchild can machine virtually all metals and plastics in sizes ranging from .0625" up to 3 1/2" in diameter. They can efficiently process low volume orders using generic tooling on CNC lathes or they can tool your job to run on custom-designed machinery that is among the fastest in the world!

To round out its service and product offerings, Fairchild offers its customers packaging, assembly, testing and kitting of their parts, as well as shipping to scheduled releases on blanket orders. These services



Large parts like the ones on the left, or small parts like the ones below are great examples of what Fairchild Auto-Mated Parts produces.

The parts below are small parts made and tapped with #00-120 threads in aluminum!



Continued on page 9

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Originally made from 1" diameter 303 stainless steel, Fairchild redesigned this part into a two piece assembly, saving the customer over \$100,000 dollars in the process!

simplify and streamline the supply chain, reducing storage space needed, inventory held and dollars that would otherwise be spent supporting these activities. And, when required, the company will arrange to provide you with a complete part, including heat treat, grinding and plating!

Dedication

Fairchild takes great pride in doing their personal best for all of their customers. Starting with a careful process and tooling design review of your part, through set up and first article inspection, all the way to final assembly/inspection. Great effort is expended in making every shipment to you on time, packaged and delivered according to your explicit instructions. The people at Fairchild Auto-Mated Parts, Inc. feel that every order, regardless of size, deserves their maximum attention and effort. Some of their many happy and satisfied customers have been doing business with Fairchild for more than 40 years.

Quality

A key component of Fairchild's continued success is "continuous improvement of its Quality Management System" and its focus on complete customer satisfaction, as specifically defined by providing:

- ◆ *Product that is manufactured securely within the customer's specified tolerances.*
- ◆ *Deliveries that meet or exceed the customer's expectations.*
- ◆ *Personal attention to all communications with the customer.*

Fairchild became ISO 9001 certified in 2000 and continues to maintain its quality management system in strict accordance with the current ISO standard.

What's New?

The management at Fairchild Auto-Mated Parts knows well the speed of technological changes that can occur in the manufacturing sector. Their response to this rapidly changing environment is to make continuous investments of capital in new machinery, tooling, and inspection equipment and in the training of its employees. Fairchild recently purchased an automated inspection system, which can measure many features of a part in sequence, store the results, and repeat the process on successive sample parts.



Fairchild also assembles its components, along with parts supplied by customers, into complete, finished products, packaged and shipped Just -In-Time.

Recently, the company installed a 3D printer, allowing it to produce samples made from strong, machinable plastics and help its customers proof and conceptualize designs before moving into full production.

This commitment to quality, delivery reliability, innovation and ingenuity has won the respect and appreciation of hundreds of customers. We invite you to contact our engineers and let them help with your current manufacturing needs. And, we at Fairchild Auto-Mated Parts, Inc. wish you and your company "Good luck, and Good business"!

When you have a part you'd like to discuss or have us quote, please contact us at:



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PRESS RELEASE

RP Abrasives Introduces Timesavers Machinery and Extended Line Graining Capabilities

RP Abrasives (RPA) is excited to announce the introduction of their new Timesavers machine and line graining services for finishing a wide range of metal surfaces.

A line grain finish, also known as stroking, is a sanded or etched in a linear pattern, used to remove or minimize scratches, defects, mill scale and porosity. The material is then completed with a pass to leave a uniform finish. This line graining finish can be done on aluminum, steel, stainless steel, titanium, copper, brass, as well as other various metals.

RP Abrasives, which has the expertise and state-of-the-art equipment to ensure your metal finish is of the utmost quality, is thrilled to be expanding its capabilities. The Timesavers machine can be used both wet or dry, giving them several, significant advantages. Wet and dry machines process the material in the same way, however, wet machines spray a coolant on the part as it is processed, providing a safer working environment as well as finer and cleaner finishes. The machine uses various grits and sanding belts to achieve a wide range of grain types, from a fine semi-polished finish to very coarse lines.

“We have had requests for service from several customers and potential customers. We are happy to now be able to offer this service. It fits very well with our existing bead blasting, polishing, buffing and passivating services, giving our customers a wider range of surface finishes to select from,” says RP Abrasives CEO Joe Shean.

About RP Abrasives

RPA, based in Rochester, New Hampshire, was incorporated in 1996 and purchased by Joe Shean, a manager for a large machine tool manufacturing company, in 2002. Ever since, RPA has been committed to serving businesses in the manufacturing industry and satisfying their need for deburring and metal finishing services. For more information about the services and capabilities provided by RPA, or to learn how we can assist you with your next finishing project, peruse our website, or give us a call at 603.335.2132 today!



PRESS RELEASE

Danvers, MA - Compumachine Inc. President, David Shaby, is pleased to announce several new additions to its Sales Engineering team.

Chris Sequeira has been appointed as Sales Manager for Compumachine. Chris has served the tooling and CNC machining industry with distinction for many years and will be directly managing the Sales Engineering team.

Chris Burns has been appointed as Sales Engineer, covering Boston's north shore and Maine. Chris has served the area for many years, providing solutions in tooling and fixturing.

Ray Navarro has been appointed as Sales Engineer in Western Massachusetts and Connecticut. Ray is a veteran Machine Tool Sales Engineer, previously with Methods Machine Tools and Dynamic International.



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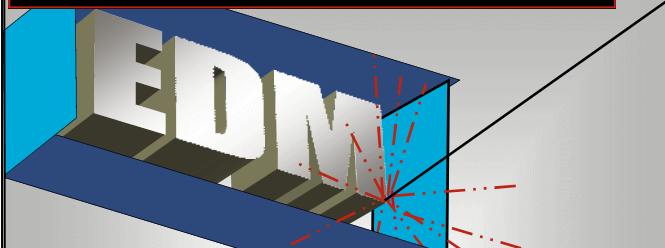


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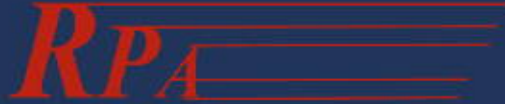
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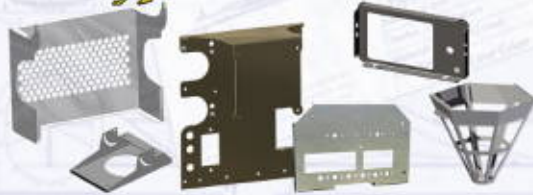
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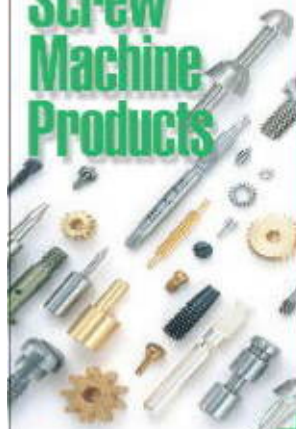
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PRESS RELEASE

TCI Precision Metals Adds Latest Duplex Milling Technology Amada Duplex Mill Improves Efficiency, Supports Increased Demand for Machine-Ready Blanks



Gardena, California, December 15, 2015

TCI Precision Metals today announced the installation of its newest high tech milling machine. The new Amada, THV430 represents the pinnacle of technology and precision in duplex milling. The THV430 provides a 4X increase in throughput over traditional milling machines and will help TCI shorten customer lead time and handle increased demand for its Custom Machine-Ready Blanks™.

TCI Machine-Ready Blanks are milled in width and length using the THV430's specially designed twin spindle in one setup instead of two. This reduces set up time and increases efficiency. One or more Machine-Ready Blanks can be produced together, up to the machines overall dimensional capacity of 16.93"W x 16.93"L x 5.91"H. The value is passed to TCI customers through shorter lead-times and competitive pricing. Quality from TCI Precision metals is a given, of course.

“At TCI we continuously refine our equipment and processes to maximize quality and efficiency. As a result, we are able to provide customers with cost effective, high value, Machine-Ready Blanks that can reduce a shop's overall cost by as much as 25% on a given production job,” said Ben Belzer, President of TCI Precision Metals.”

Custom Machine-Ready Blanks are precision milled to the customer's net specifications and can be furnished as close as +/- .0005” dimensionally and as close as .0002” in flatness, squareness and parallelism. Each Machine-Ready Blank is deburred, cleaned and vacuum packaged – ready to go directly from receiving into CNC machining centers. Machine-Ready Blanks eliminate material prep, reduce set up time, part movement, scrap and wear and tear on machine tool inserts and cutters used to square material in process.

Founded in 1956, TCI is a third-generation family-owned value-add wholesale plate and sheet distributor, producing precision Machine-Ready Blanks from aluminum, stainless steel and other alloys. Direct-to-mill with Alcoa, Kaiser and Hulamin Aluminum, including 6061, 2024 or 7075 aluminum plate and sheet, stainless steel plate and several other alloys, TCI stocks over 500,000 lbs. of material for quick turn-around on customer requirements. TCI serves the needs of the aerospace, defense, energy, industrial equipment, food packaging, semiconductor and many other industries.

For more information, visit: <http://tciprecision.com> or call: 800-234-5613



PRESS RELEASE

YCM and CNC Systems Partners with Hales Machine Tool, Inc.

Yeong Chin Machine Tools (YCM) in partnership with their importer CNC Systems, have signed an exclusive agreement with Hales Machine Tool, Inc. to represent their full line up in the following states: Minnesota, Iowa, North and South Dakota, and Nebraska.

This new partnership with Hales Machine Tool, Inc. will expand YCM's coverage and will allow them the ability to grow and gain market share in each of these states.

"Hales Machine Tool brings a reputation in this region of outstanding sales but most importantly a service oriented network who put their customers' needs first. When we select distributors to represent us, this is exactly what we look for. We could not be more excited to join in this new relationship and know customers in this region will certainly benefit because of it as well," a company spokesman from YCM/CNC Systems explained.

Hales Machine Tool is equally as excited to partner with YCM, as Tim Hales, VP of Hales Machine Tool, Inc. explains, "Hales Machine Tool is enthusiastic about representing YCM products in our territory of Minnesota, North Dakota, South Dakota, Iowa, Nebraska and Western Wisconsin. They import a wide variety of machine tools that fit our customers' needs. With our sales experience, knowledgeable technical staff and field service capabilities it is going to be a great partnership between Hales and YCM."

About Hales Machine Tool, Inc.

Chuck Hales—founder of another MN-based machine tool distributorship—and his son, Dan, opened Hales Machine Tool, Inc. in 1983. Tim joined the firm in 1984, Randy joined in 1989, and Julie in 1993. In 1990 the company moved to a 13,100 sq. ft. facility in Plymouth, MN, and now employs 30 highly-trained sales, service and support personnel. In 2008, Dan (President), Tim (V.P.) and Randy (Sales Mgr.) Hales bought out Chuck, and now own and manage the family business..



Tim Hales, *VP HALES MACHINE TOOL*
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