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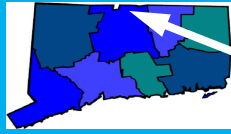
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PTI INDUSTRIES, INC.

Enfield, CT

Written and submitted by Web Savvy Marketers

PTI Industries, Inc. has led the support services industry for more than thirty years, setting the standard for accuracy and reliability with specialized processes that reduce manufacturing lead times while lowering transportation and administrative costs.



Harley Dulude, PTI's President and General Manager, who joined the company as a nondestructive testing technician in 1978, purchased it in 1994 along with Ronald Lalli, CEO. At this time its name was changed from Poly Testing Inc. to PTI Industries, Inc. Shortly after, Harley and Ron brought on Carl Muller, CPA as their CFO and third partner.

During the mid 90s PTI became certified as an FAA repair station. They also added flushing and precision cleaning initiated and sponsored by General Electric Aircraft Engines. In 2009 an expansion was made into a second facility, also located in Enfield. Over the next few years, pressure testing and shot peening services were added in response to customer requests.

Background

PTI's early journey into the multi-tiered service industry began as a metal testing company in 1976 performing fluorescent penetrant and magnetic particle inspections for Pratt & Whitney. Dry film lubricant and passivation services were added in response to customer requests as add on processes to the inspection services already provided.

As time went on and PTI's reputation grew, requests for more processes and more approvals came in. In the early 80s PTI added its magnesium coatings line offering Dow 7, 17 & 19 primarily to support Sikorsky's sub tier suppliers. By the late 80s the adhesive bonding division was implemented.



PTI has built its expansive process list in an effort to be a one-stop support service facility for its customers. Their goal is to eliminate excessive time and logistic issues and they are committed to establishing integrated, specialized processes to reduce their customers' manufacturing lead times.

Capabilities

PTI's continued growth is a direct response to customer demands. From its initial non-destructive testing to the most recent teflon bonded component machining, their number of services has grown to serve many industries.



Continued on page 7



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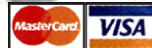
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PTI offers the following support services:

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- **Precision Cleaning:** Class 10,000 clean rooms with process areas down to a class 100 clean environment. Several small and large cleaning tanks and spray booths. Methods include Ultrasonic Cleaning, Aqueous Immersion, Turbulent Flushing, High Pressure Spray Washing, CO2 SnoGun, Vapor Degreasing and Media Blasting.
- **Cleanliness Testing:** Systems include computer based microscopes and micro balances, UV blacklight and high intensity white light, articulating boroscopes with photographic capabilities, and water conductivity.
- **Dry Film Lubrication:** With over twenty certified dry film materials in stock, they perform grit blasting, passivation, vapor degreasing or MEK wipe as a surface prep. Spray or brush-on application is available with either ambient or oven-cure capabilities.
- **Non-Destructive Testing:** Accommodates small to very large parts for Fluorescent or Visible Dye Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). Hoists over each line allow processing of parts for FPI up to 84" tall or 108" long or for MPI parts up to 24" diameter or 84" long.

Continued on page 9



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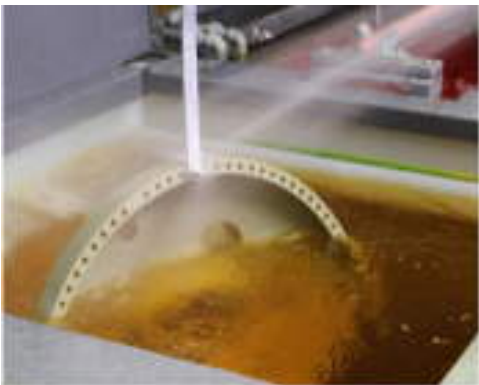
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PTI's Commitment to Quality

All PTI process experts have extensive, hands on working knowledge, with training on both equipment and parts to solve quality and manufacturing challenges. Turn time requirements are a critical component of their quality service, and multi process job orders and requests receive special attention for optimal processing flow.

- **Passivation:** Offering both nitric and citric acid passivation. Twenty-four hour high humidity and copper sulfate testing done in house.
- **Repair Services:** Certified FAA repair station to repair and overhaul critical components, including disassembly, stripping, non-destructive inspection, magnesium stripping and recoating, and bond and composite repairs.
- **Shot Peen:** Custom designed and manufactured CNC machines perform automatic, computerized, rotary, and stationary lance applications, handling part sizes up to 40" x 40". PTI recently purchased new equipment that offers dual media capacity for quick change of media sizes for faster turnaround and improved production times, using only high quality, conditioned, cut wire steel shot. PTI keeps a variety of conditioned cut wire steel shot sizes in stock.



PTI's Quality Policy

"PTI is committed to achieving customer satisfaction through premium products and services which meet or exceed the expectations of our customers in the areas of quality, delivery and affordability. It is our intent to conduct our business in a responsible manner which includes compliance to all customer and regulatory requirements. We will accomplish this through environmental awareness, developing and training of our personnel, and to constantly strive for continuous improvement."

Continued on page 11



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- FAA (Federal Aviation Administration)
- EASA (European Aviation Safety Agency)
- All OEM specifications

Process Approvals and Specifications

As specialized process providers for many industries, PTI meets their customers’ requirements with numerous approvals and certifications. In order to deliver unmatched multi-process expertise, the list continues to grow as new requests and solutions are made.

PTI has earned hundreds of specific process approvals from more than 40 OEMS including:

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PTI is a group of dedicated experts looking to give specialized process support to customers who want cost-effective manufacturing, fast turnaround times, and the added value of single location process solutions.



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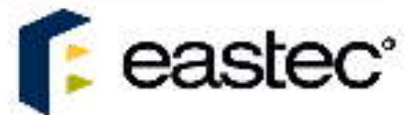


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Uncle Willy's Funny Bone Gateway

ANOTHER STRANGE JOB INTERVIEW

Bob, Purchasing Manager, was interviewing Reggie for a potential new buyers position for his busy department. During the interview an urgent phone call came in for the job applicant.

Reggie's wife was calling and the conversation went like this: "Which company called? Oh! So how much did they offer for salary? Did they say when I'm to start working? Ok, but I've got to go now, I'll see you a little later, dear."

Bob said to the applicant, "I assume from what I heard, you're not interested in continuing this interview any further."

The applicant replied, "I am if you'll pay me more."

Bob didn't hire him, but later found out there was no other job offer. It was just a scam to get a higher offer."

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PRESS RELEASE

INSTALLMENT 4 LUBRICATION

from: **Top 6 Tactics to Prevent Machine Failure**

GTI Predictive Technology, Inc. submitted this interesting press release to help keep machinery in better running condition. We're presenting the information on these 6 steps in installments as space allows. But we feel here at The Gateway this is valuable information, perhaps just a reminder, that we can get far more from our machinery if we take an active position.

Lubrication

“When it comes to oil analysis and lubrication, it goes without saying that execution beats brilliance.” -Jim Fitch

Lubrication is huge. Lubrication is used in rotating equipment to reduce friction between surfaces, prevent corrosion and wear and prevent contamination from outside sources. The proper lubricant at the proper schedule will allow the bearing to achieve its expected life and protect the inside of the machine from contaminants. This can be especially important in pumps where we don't want contaminants in whatever we are pumping.

Too often we hear that if a little lubrication is good, then a lot is great. In truth, over lubrication is just as bad as under lubrication. Ask any motor shop and they will tell you that many of the failed motors they get in for repair are packed end to end with grease. In the end, as most electric motors are air-cooled, they just overheat and die.

Training is paramount for proper lubrication. The wrong type of lubricant is just as bad as too much or too little. Machines should be tagged (color codes work well) with the type of lubricant required, the lubrication schedule and/or frequency and the amount of lubricant to be added each time.

The commitment with lubrication is to document the lubrication requirements of your machines and commit to a lubrication schedule. Lubrication technicians need to know the requirements and schedule of the machines for which they are responsible.

Most machines come with this information. It is also included with bearings, so if you change the bearing type, you may have to change your lubrication process for that machine. Keep good records and know what the requirements are for each machine and bearing. Document the type, amount and frequency of lubrication for every machine.

More advanced lubrication programs will add ultrasound to their lubrication process. The consistent use of ultrasound in a lubrication program – from baseline to route based activities - will allow the bearing to tell you when it wants to be lubricated, a condition-based response instead of a time based response.

An ultrasound tool used during lubrication will tell you when there is enough lubrication and prevent over-lubrication – the #1 cause of bearing failure. This is another tool that requires training, documentation and commitment.

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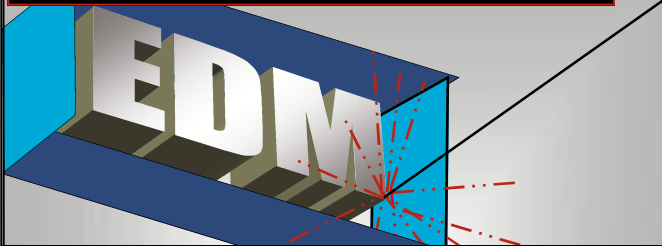
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PRESS RELEASES

United Gear & Machine Announces AS9100 & ISO 9001 Certification

“United Gear is very proud to have achieved this dual certification. I feel it’s a reflection of all of the quality work that United Gear has been producing for the past 61 years,” said William J Malec, President and owner. “Our AS9100 and ISO9001 certifications only serve to underscore what I’ve always known is true at United Gear; we manufacture only the highest quality and most precise gears and splines for our customers.”

AS9100 is the internationally recognized Quality Management System standard specific to the aerospace, aviation and defense industries. This standard is strongly supported and adhered to by major aerospace OEMs and is increasingly being required by vendors within the supply chain. AS9100 is managed by the International Aerospace Quality Group (IAQG) and based on the ISO 9001:2008 quality management global standard that exemplifies quality and trust. It provides 80 additional requirements and 18 amplifications specific to aerospace business operations.

Both of these certifications highlight United Gear’s commitment to meeting and exceeding the increasingly stringent industry requirements for aerospace related products, and assures our manufacturing processes consistently meet or exceed the requirements and expectations of customer’s presenting the most challenging applications.

Our dual certification strengthens United Gear’s competitive position and standardizes quality, reliability and safety processes throughout the entire organization. To qualify for both standards, an organization must demonstrate its ability to consistently provide products that meet applicable regulatory requirements and satisfy customer needs.

“The entire team at United Gear was committed to seeing this standard met and certification achieved,” said Kurt Malec, Quality Manager. “I am proud of how we all came together as a company and not only embraced the standard, but also fully committed to maintaining it for years to come.”

United Gear & Machine Company, Inc.’s registration certificate can be viewed at <http://www.unitedgearct.com/quality>

About United Gear & Machine Company, Inc.

United Gear brings sixty years of gear cutting experience to the production of top quality precision gears and splines for our customers in the aerospace, defense and commercial industries. United Gear provides top quality and competitive prices on the manufacturing of spur gears, helical gears, broaching, internal gears, worms, worm gears, racks, sprockets, face gears and in house turning and milling. From production runs to one-off parts, United Gear offers on-time delivery and personal attention to every job that comes through the door. Family owned and operated in Suffield location since 1954, United Gear was the 1st place recipient of the Hartford Business Journals 2014 Family Business Awards.

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PRESS RELEASE

NORTHEAST CNC TO EXHIBIT AT EASTEC 2015

Bulova Vertical Machining Centers
Schneeberger Tool Grinding Machine

Gorham, ME, March 29, 2015 - Northeast CNC will be exhibiting machines from Bulova Technologies Machinery, LLC and Schneeberger in Booth #1667 at Eastec 2015. The show is May 12-14 at the Eastern States Expo in West Springfield MA.

Bulova is one of the most recognized names in the world known for quality, precision, value have over 60 years of precision manufacturing experience.

The Bulova VMC-4220B vertical machining center model from Bulova is a box way machine with a 12,000 rpm spindle and travels of X42", Y20.9" and Z30.7".



The BT-380 vertical micro-machining center is a linear guide way machine with a 12,000 rpm spindle with travels of X20.47", Y14.96" and Z13.8". The machine has rapids of 2,362 ipm and a turret type tool changer.



Schneeberger is a pioneer in 5-axis tool grinding and was one of the first to introduced CNC to tool grinding. Schneeberger is sold and supported by their US operation in Elgin IL and Northeast CNC in Gorham ME.

The new "ngc" model from Schneeberger is new generation of tool grinding machines. The new super flexible 5 axis tool grinder is suited for sharpening and production. Complete, including end grinding, up to 12" cutting length, 12" diameter, maximum length overall 20". The high torque water cooled direct spindle offers stability, designed to flute grind from solid.

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If you would like more information, please contact Cary Plummer at (207)775-5510 or email at sales@necnc.com.

The Gateway Magazine

Bill Bryson, Publisher The Gateway, 336 Governors Road, Milton, NH 03851

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