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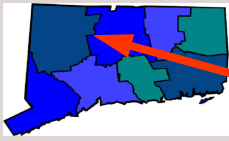
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Marena Industries was originally started by Ted Marena in the basement of a small multi-family tenement house in 1960, located in Hartford, CT. His vision was to improve upon manufacturing processes he had learned from his previous employer and to produce a superior product. This vision led him to produce the best carbide tipped work rest blades for centerless grinders in the world.

In the 55 years since that start, the business has moved its operations into a 40,000 plus sq. ft. building in East Hartford, along with two additional buildings to house equipment and supplies. They still produce and ship work rest blades to global customers scattered around the world and proudly mark them "Made in USA". Global customers are located in Canada, China, India,

Israel, Mexico, Poland, South Africa, Central and South America, just to name a few.

The current facility services customers from various industries, including aerospace, transportation, military and contract manufacturing. Ted's policy is that "no job is too big or too small".



Ted Marena, President and Owner.

Due to the large variety of equipment available in-house, they have the capacity to mill, turn and finish grind very large or small parts in large or small quantities. They offer turning to 63" diameter, milling and grinding parts up to 240" in length, up to 84" in width and up to 66" in height (maximum part length is dependent on its width).

Their engineers are experts in designing a solution to meet your industrial requirements. They have in



Grinding is certainly a specialty at Marena Industries, but so is machining and fabricating.

Continued on page 7



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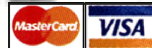
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Marena specializes in surface grinding aluminum, stainless steel and a host of other materials, including composites. Molybdenum plate grinding is another common material they work with. A 3/4" plate, 10" wide by 120" long was ground flat and parallel to .001".



Complete milling of castings for gun drilling machine. Checking for accuracy before moving to Devlieg for boring.

Continued on page 9



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(Left) This is the finished welding table fabricated for a customer. (Right) This is the underside of the table.

This fabricated table measures 8” thick, 28” wide and 167” long. Marena started with hot rolled steel plate. They cut the plate to shape, stress relieved it, rough ground it, and re-stress relieved it again. The frame work went through a similar preparation and then was spot welded every inch, inside and outside all around. Then it was surface ground to perfection, laser inspected for flatness and complete specified accuracy before shipping.

Marena Industries also are well versed in reverse engineering products that are difficult to source or no longer available. The biggest current market for this is Metal Recycling Blades. They can also fabricate products from drawings or assist with the design process as well.

Marena also has a fully equipped fabrication and welding sub-division. This gives them the ability to machine component parts and then complete them in the fabrication area. This saves on delivery time for the complete project and saves the customer money by keeping all work in house.

The Quality Control department is ISO 9001-2000 compliant and uses Quality System Procedures

QSP402 thru QSP802. Every finished piece is tracked, checked and receives an inspection report.

Marena Industries also has a secondary business selling New and Used manufacturing equipment and represents several large equipment manufacturers with Waterjet, grinding, machining and other machine tool needs. They also offer partial and complete remanufacturing of metalworking equipment and can also upgrade controls and components to current technology. They know how to operate the equipment they sell and service.

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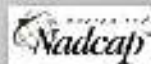


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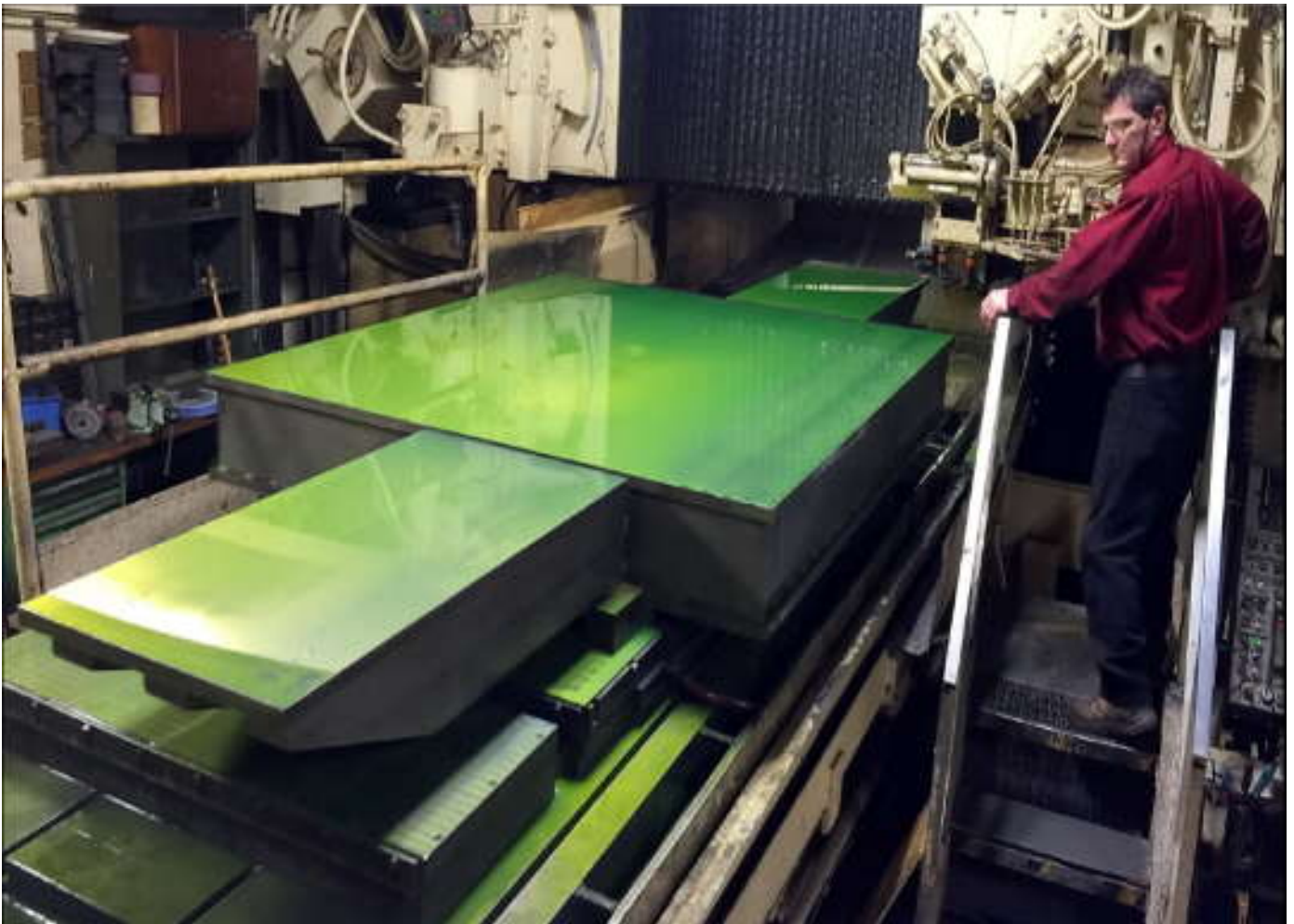
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Surface grinding a large plate.

The greenish layer of lubrication floats on top of the perfectly flat surface and the finishing grind ends.

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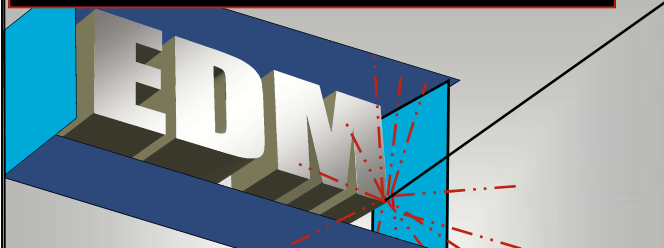


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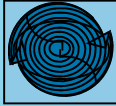
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PRESS RELEASE

What's your scrap carbide *really* worth?

Tungsten carbide recycling company, *ReCarb, LLC*, puts its customers at an advantage, positioning them to maximize the return on their scrap carbide and affiliated materials, by offering a streamlined recycling process and direct market pricing.

ReCarb connects machine shops, manufacturers, and others directly with major US-based processors and consumers of tungsten materials. This approach enables companies and individuals to consistently achieve 40-50% higher returns, regardless of whether the market is up or down, because unnecessary steps in the recycling process have been eliminated.

Generally, tungsten carbide has to go through as many as three to five different hands before reaching its final destination, where it will be recycled and repurposed. An example of a typical scenario is:

- Tungsten carbide is sold to a local scrap dealer.
- The local scrap dealer sells the material to a regional dealer.
- Next, it is sold to a larger regional scrap broker.
- The same material sold *again*, this time to a national scrap broker who accumulates it and ultimately sells it to an end user.

ReCarb is the product of over 35 years of scrap industry experience, innovative thinking, and the will to provide customers with a better alternative. "My father built his career in the scrap industry and I've been in it since the '80s. I saw the vast inefficiencies, especially in the carbide market. 20 years ago, I decided, if no one else is going to improve the way this material is bought and sold, I'll do it myself," said Dan Rossi, ReCarb's President and Founder. For the past 20+ years, Dan has focused on achieving that goal by working to establish tungsten carbide as his area of expertise. He has worked with people around the world, learning market dynamics, developing a solid skill set and gaining a deep understanding of how a customer-centered business can become successful.

Dan thinks of ReCarb as a *customized service company* because all customers are very different from one another. He says, "There's no one way to do things here. We want to know what works for each individual so we can do our best to accommodate him or her. In order for us to succeed, our customers need to succeed – without them, there's no us – so we work hard to earn the trust and respect of everyone we do business with."

ReCarb donates a percentage of every dollar earned to Feed Our Vets, a Utica, NY-based nonprofit dedicated to helping US Veterans and their families.

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PRESS RELEASE

Precision Gaging to Control Headspace in Firearms. What is it and Why does it Matter?

Headspace refers to the clearance allowed between the base of a fully seated cartridge case and the face of a locked bolt or breech in a firearm. Too much headspace will allow the ammunition too much room to move in the chamber, and this can cause the case of the cartridge to stretch or rupture resulting in burns, cuts, or eye injuries to the shooter. Not enough headspace may prevent the action from closing completely, or require undue force to close it, resulting in jamming of the weapon and failure to fire.

For almost seventy years, Dow Gages have been used by firearms manufacturers to inspect headspace, chamber dimensions, and firing pin protrusion, as well as other dimensions commonly deemed critical to ensuring a properly functioning weapon. The Sporting Arms and Ammunition Manufacturer's Institute, Inc. (SAAMI) has standardized headspace tolerances for gun manufacturers to ensure that U.S. made ammunition of a certain caliber will function in U.S. made weapons of that same caliber.

Since both ammunition and weapons chambers vary within allowable manufacturing tolerances, a small but controlled



Continued on page 19

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space must be maintained between the bolt or breech face in the chamber, and the head of a “maximum” cartridge to guarantee proper and safe function of the weapon. Firearms manufacturers use the SAAMI Chamber Specifications in their machining operations to hold these critical dimensions to fairly close tolerances during the manufacturing process, ultimately controlling the headspace in each firearm. Dow Gage specializes in the engineering, design and manufacture of a line of Dow-Gages, used on the shop floor, for in-process and post-process inspection of precision-machined parts, including the processes used in gun manufacturing.

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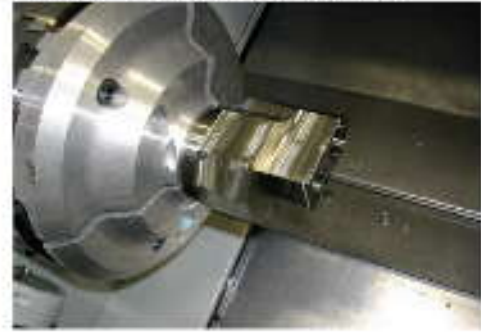
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