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An Inside Look at Chicago White Metal Casting, Inc.

insidecwm



current topics >>>

To Meet Demand, CWM Expands: Meet Our FANUC Robot Family

In order to meet increased customer demand, the CWM team continually looks for innovative ways to improve efficiency and maintain our high standards for quality. With that in mind, it was time to add yet another new robot member to the team.

This robot, the FANUC M10iA, will be used to load/unload a CNC machining center with one of CWM's higher volume parts for one of our top customers. This robot has the ability to work with a number of different part numbers and utilizes camera□based vision systems to verify presence and location of holes, orient the part, load and unload the parts on the fixture, install special clamping inserts, confirm the clamping is correct, and sequence the input and output conveyors. This robot's flexibility could allow it to be used in a similar fashion on other projects.

(See CWM Invests in FANUC Robotics on Page 15)





(L to R): Susan Slade [U.S. Magnesium LLC], Walter Treiber [CWM], Carolyn Treiber [CWM] and Jan Guy [Amacor].

screen frame

serves as an ide-

al replacement

for plastic..."

Judge and Jury Reaches Verdict: Stenograph & CWM Win Two Awards

In an amazing double win, Chicago White Metal terial seld and Stenograph take home not one, but TWO cations of awards for the Keyboard Chassis and Screen Excellent Housing Parts!

Chicago White Metal and Stenograph received awards from both the International Magnesium Association (IMA) - [Excellence in Design Award — Commercial Castings Category], and the North American

Die Casting Association (NADCA) — [International Die Casting Design Award — Magnesium, Under 0.5 lbs. Category].

The IMA was founded in 1943 with a mission to "promote the use of the metal magnesium in ma-

terial selection and encourage innovative applications of the versatile metal." The Award of Excellence is given to the company demonstrat-

ing an outstanding example of the use of magnesium.

NADCA was founded in 1989 and represents the voice of the die casting industry, committed to promoting industry awareness, domestic growth in the global market and

member exposure. The International Die Casting Design Competition is judged by the following criteria: the ingenuity of casting/product design, overall quality, cost savings, and contribution to expanding the market for castings.

See CWM: A Year of Awards (Page 13)

CWM Welcomes New Employees to the Team



As part of our continuous effort to broaden our services to customers, CWM is excited to welcome these new employees to the Chicago White Metal family!



Roy Finch, CNC QA Supervisor

Roy worked as a Department of Defense contractor prior to coming to Chicago White Metal. He started in the manufacturing industry in England when he was 16 years old. After moving to the United States in 1998, he met and married his wife and started a family.

In his free time, he is a very involved father who enjoys spending time with his daughter (softball is one of their favorite activities). Just before coming to CWM, he spent time with his family camping near Cleveland. He enjoys working on his other pride and joy—a 1974 MG Midget, which he proudly displays at different car shows in the area.



Paul "Hank" Rumpke, Engineering Project Manager

Hank is an Ohio State University graduate who just moved to the Chicago area to take on his position as CWM's newest Engineering Project Manager. His greatest accomplishment thus far is graduating from the engineering program at OSU.

He enjoys trying out new places in Chicago to eat and drink around the city in his free time. He is currently hooked on the burgers at Cortland Garage, which is across the street from where he lives. He is also an avid Ohio State football fan, which he ironically rooted against growing up, and a Tottenham Hotspur (soccer) fan.



Aubry Ellegood, Buyer

Aubry has just recently come on board as a buyer for CWM, bringing with her years of experience in shipping & receiving invoicing for a major retailer. She is thrilled at the prospect of being at a company that will help advance her career and enjoys how friendly people at CWM have been since she started.

In her free time, she enjoys woodworking and welding furniture items and home goods. She recently made a planter box for her mother and an end table for her family, and plans to make a coffee table for her brother as a wedding present.



Dalia Milian-Alvarado, Workmanship Standards Auditor

Dalia has worked as a contractor with CWM since 2011, initially joining the team as a packer. Just recently, Chicago White Metal hired Dalia, securing her as a valued member of our amazing CWM team.

In her off hours, Dalia plays soccer three days a week (Fridays, Saturdays, and Sundays) for a soccer league called "The Soccer Place" in Franklin Park, IL. She also likes to cook when she has the time (probably between practice and games!). For Labor Day weekend, she went to visit her grandmother in Dallas.

new employees (cont.) >>>



Silvia "Fabiola" Silva-Cayetano, Mechanical Inspector

Fabiola has been working with Chicago White Metal since 2009, starting off as a contracted machine operator. After a brief hiatus, she returned to CWM in 2013 as a contract employee. Just recently, she was hired onto the team in her current position, mechanical inspector.

Her free time is spent with her two kids – one is 15, and the other is 4 years old. She loves cooking, and her favorite food to cook (and eat) is green enchiladas. She just spent an enjoyable Labor Day weekend with her family and friends hosting a BBQ at her house.

retirements >>>



Zygmunt "Ziggy" Slota, Trim Area Supervisor

Chicago White Metal says goodbye to Zygmunt Slota, known by the CWM family as "Ziggy," who was a fixture in the production area. Starting out as a Trim Press Operator, Ziggy moved up the ranks to become Tool Coordinator, then Trim Area Supervisor. Ziggy got to know the trim dies inside and out, helping troubleshoot any issues that came up. His skills and expert knowledge were frequently utilized by the Tool Room and during new tool construction meetings. This helped CWM implement improvements Ziggy had learned throughout his 37-year tenure. His presence and knowledge will definitely be missed.

Our Chief Operating Officer, Bill Baraglia, had a few words to share about Ziggy: "After working with Ziggy for over 37 years, I certainly got a firsthand look at integrity, honesty, and an individual who was above reproach. Ziggy epitomized what commitment was all about, through his values and hard work over the entire span of his tenure at CWM. Many of us who worked closely with Ziggy were exposed to his frequent "lectures" on the finer points of a well-built trim tool and his amazing ability to re-engineer the occasional poorly built trim tool into a well-crafted tool. Ziggy helped to change our thought process about what might be expected from a well-built/designed trim tool. As a result of many of Ziggy's initiatives, we experienced a great deal more value from our trim dies both in quality of product and quantity. It was truly an honor to work with Ziggy over the many years. Although he has retired, his legacy will thrive with many of us at CWM for quite some time."

We wish you the best on this exciting new time in your life, Ziggy! Enjoy Poland!





John Kroner, Die Repair Person

According to his supervisor Miguel, John had a great deal of experience in tooling and using tool room equipment, so it came as no surprise that his skills in using the equipment were top notch. He had the uncanny ability to make things without a blueprint, which is a skill that will be missed at CWM.

On behalf of the Tool Room and the entire CWM team – we wish you the best during this new phase in your life!

National Sales Conference Sets Sail on Lake Michigan

Every other year, Chicago White Metal hosts a National Sales Conference, inviting Sales Engineering Representatives from all over the United States to the Chicago area to actively participate in discussions, panels, presentations, collaborative efforts, and camaraderie. This conference gives the national sales team a reminder of their value and the importance of their efforts. They are also given the opportunity to grow professionally and become re-acquainted with the inner workings of CWM, providing a platform where ideas for improvement and discussions can occur.

The conference started with opening presentations by Eric Treiber, the Sales & Marketing team, and Rob Malarky, Assistant Director of Engineering, followed by a tour of the plant. The representatives were asked prior to the conference to provide a 5-10 minute presentation on a topic that they felt was important to discuss and bring to the table. After an overview of the marketing program and a presentation on what makes a good die casting, the sales reps and several CWM team members boarded a coach bus headed for downtown Chicago.

The bus took the group to Chicago's "First Lady", an 82-foot stately and renowned tour boat built in 1979 by Blount Marine (originally the Charleston Harbor Princess), with docks located alongside the Chicago River. A charter cruise and dinner designed and reserved specifically for CWM awaited them. The forecasted thunderstorms evaporated into a perfect June evening and all came aboard the Fair Lady for a 3-hour leisurely tour from the Chicago River (for architectural sightseeing), through the locks, and into Lake Michigan. The boat sailed quietly into the Chicago night, giving everyone the option to converse with others, take in the view and snap a couple photos, have a bite to eat from the world-class buffet (catered by Café Ba Ba Reeba!), or have a cocktail of their choice while relaxing to the mellow rock tunes that played softly in the background.

The second day consisted of a Tooling Issues presentation by engineering, a CWM Project Flow presentation, a continuation of the sales presentations, and an open discussion that invited the sales and marketing teams to engage in brainstorming with the reps on many topics.

There were 13 sales representatives in attendance, which included:

Redline Mfg. (Southern IL, IN, OH, KY, WV) Dave Yothers

Sourcing Tech (CA, NV, AZ) Troy Alexander, Dave Heckel

Galin Industries (Northern IL, WI, MI) Jim Galin

Baselodge (AR, NM, OK, TX, Northern LA) Mark Casey, Kurt Young

Talbot Associates (New England, Ontario, Quebec) Jeff Talbot, Brad Benson, Greg Benson, Tim Benson, Gary Lord

5 Level Solutions (Northwest, British Columbia) Dave Cohoon, Matt Erbach









CWM ANNUAL PICNIC SERVES OVER 300; CWM SUCCESS SERVES MANY CAUSES

Chicago White Metal hosted their Annual Employee Picnic on the grounds of the facility. Catering with Elegance served over 300 guests gathered to feast on a glorious June day, joined by valued suppliers, retirees, and Sales Engineering Representatives from all over the United States. Freshly grilled chicken and burgers were complemented by corn on the cob, tossed salads and delicious desserts. A mix of sunshine and shade provided all attendees with the ability to enjoy the outdoors as a welcome break to the day.

Eric Treiber, President and CEO of CWM, started his speech with a flag at half mast and a moment of silence, acknowledging the 49 lives lost and 53 wounded during the June 12th shooting at the Pulse Nightclub in Orlando, Florida.

Eric then gave a heartfelt speech about the CWM Charitable Foundation's initiative to give back to causes that had special meaning to employees or their families. He gave details on donations made to several different organizations and strongly encouraged employees to submit the names of additional organizations.

Here is a list of organizations that employees asked the Charitable Foundation to support:

Walk by Faith to Freedom Ministry
Serenity House Counseling Services, Inc.
Northern Illinois Center for Autism
Canine Assistants
District 54 Food Pantry
Metavivor
Child's Voice
Lubzina Parish Club
ALS Association
Feed the Children









PERSPECTIVES: TED BYSTRYK CELEBRATES L 3 YEARS AT CWM





In July, Ted Bystryk, Manager of Machining & Sub-Assembly, celebrated 43 years as a team member at Chicago White Metal. Ted's diligence and passion for the manufacturing industry, his early start in the field, and the opportunities that CWM made available to him have contributed to the growth and success he experienced during his time at CWM.

"Before I came to Chicago White Metal, I worked in the shipping department at the company that was next door to CWM called Precision Aluminum, which made sand castings. They would always have the garage door open, and I would see the white shirt and blue slacks of the CWM employees moving from one building to the next. I admired the uniforms as a contrast to the brown and gray at Precision, so I always told myself that I would wait patiently for my chance to apply when a position opened up."

In the fall of 1973, I received word that one of the guys in the shipping de-

partment went off to college and there was an opening, so I immediately jumped on the chance and applied. I was a Senior in high school at the time CWM hired me, starting as a 2nd shift packer.

After I got the job, I started packing gas cap parts and soon after was promoted to work on the floor, picking up full boxes and placing them on skids.

There was one incident I recall that changed my path dramatically at CWM. It happened in the winter on a Friday, which is the busiest day for shipping and receiving. One truck driver that came in was not able to get his engine restarted. He blocked the entire shipping department as they were trying to pick up and

"I have an amazing team to work with to meet these challenges with success."

drop off other shipments. Since I had auto mechanic experience from high school, I popped open the hood and tried my hand at assisting this driver. I was successful in repairing the vehicle and the driver was happy to be able to move out. Everyone was happy and relieved to be able to proceed with shipments as usual.

The plant manager at the time, John Johnson, took notice of this incident and thought my mechanical skills would be better used in the machining department. In 1974, I was

transferred to a position assisting Stig Hallberg, who came to Chicago White Metal to develop the machining department. They had moved all the machines to another building and reconfigured the area to accommodate the new department. Stig taught me everything he knew about how to repair machines, initiate the set ups, and tear them down. Once Stig retired in the late 1980s, I was given the opportunity to apply for the manager's job. After completing apprenticeships and courses, I was promoted to Manager of Machining & Sub-Assembly, the position I hold today.



The development of the sub-assembly department and merging that department with machining operations to create one unified department proved to be a challenge, but one we were equipped to handle. Chicago White Metal was experiencing growth in a number of high volume applications, which was met by investments in new and advancing technology. The emphasis on safety standards and developing company-wide safety programs, holding training sessions,

and having meetings has certainly evolved throughout the years. But again, have an amazing team to work with to meet these challenges with success.

For those that would like to work at Chicago White Metal, there is a great opportunity to be successful in manufacturing. This is a place where the employees are given opportunities to advance if you show interest and are self-motivated. CWM gave me the ability to grow professionally by paying for school and going through the milestones of life - getting married, buying a house, cars, and things of that nature – with the opportunity to make a great living. Practical experience is also the best teacher – this has been, in my experience, the driver in progressing as an individual working in the industry. Practical experience is the biggest factor.



For those that would like to work with CWM as a customer, I would say that one of our most important values is customer satisfaction. The whole company works together to send the message that we go above and beyond to foster and grow the relationship with the customer with honesty, integrity, transparency and quality. This is why we keep growing every year. This is why I don't mind the challenges that come up, because I know the challenges only exist because of our continued success. I find that customers want to work with us because of our approach and our exper-

"CWM has become a brand that is renowned in the die casting industry."

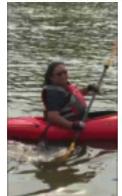
tise. The success of this company is based on the ability to cultivate not only customer satisfaction, but employee satisfaction. And all of this translates into quality parts and strong partnerships

Overall, Chicago White Metal has such a bright future ahead. It is such a well-established and well-run company. CWM has become a brand that is renowned in the die casting industry. I enjoy working at CWM; it is such a part of who I am and I have always felt that I have become an important part of the company as soon as I walked through those doors. There were times when I felt it looked very uncertain for the future because of the rough economic times, but I always believed that CWM would be able to come out stronger and better than it was before. And it definitely has. I am glad to have been a part of this team and it has been a pleasure and honor to watch the company grow into the success it is today."

> Tell Byrtryk **Ted Bystryk**

Manager of Machining & Sub-Assembly

CWM Marketer Goes for Pro in Her Kayak Competition Debut



Marketing Coordinator Roseann Rimocal had a dream of going into professional competitive kayaking back in 2012.

"I just graduated that year and wanted to move onto the next major goal in my life," Rimocal states. "So I flipped the TV onto the Olympics in and decided to see which sport I connected with most.

As soon as I laid eyes on the sport of kayaking, I knew this was the dream to go for." After years of taking courses, sustaining related training injuries, short seasons, and a great deal of persistence and patience, Roseann stayed the course and tried again each year since the 2012 Olympics, sharpening her skills and perfecting her cadence.

It is now 2016, and she started the summer off with her very first kayaking race, the Mid-America Canoe & Kayak Race in St. Charles, IL. Finishing 4th in her division, she hopes to continue training and enhance her performance.

"This first race was to measure what I can do, to get a glimpse at my skill level and where I can improve,

and to see if it could be done. Now that I have laid the foundation, I can start seeing opportunities for improvement and look to develop my skills through practice, patience and hard work."

She just finished her last competition of the season, the St. Charles Fall Classic on the Fox River, which was her first USCA sanctioned race. She took home the gold and placed 1st in her class (Kayak Downriver Women Rec, or K1 Dr W Rec).

"Next year, I plan to build up to compete on a national level at the end of the season. It is all about continually challenging myself, knowing my limits and never giving up hope. There was a time in my life that I never thought a sport like this would be possible for me due to extensive shoulder injuries. But I learned a great deal from my mentors and colleagues at CWM – that hard work, dedication, passion and having fun were all a part of the wonderful journey to success. They encourage me professionally to never give up, despite challenges or adversity that may come about. I carry on that mentality to everything I do today. It keeps me going strong and I am grateful."

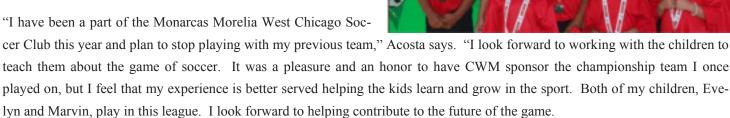




CWM Soccer Champion Turns in His Cleats for Coaching

CWM Employee Francisco Acosta was a member of the CWMsponsored soccer team that won the championship cup earlier this year. Not long after the prestigious win and celebration, Francisco decided to trade in his cleats to coach in a children's soccer league, mentoring young kids to learn to play the sport they love on a competitive level.

"I have been a part of the Monarcas Morelia West Chicago Soc-





CHICAGO WHITE METAL hosts

2016 ANNUAL HEALTH FAIR

October 26th, 2016 12:30PM to 2:30PM

Employees have the opportunity to do the following:

- Get free massages
- Ask insurance questions Get a free flu shot
- Get (2) free movie tickets - Drink free smoothies

Learn how to get a free Wood Dale Park District Membership

... and more!





Find the words in the word bank. They can be backward, forward or diagonal.

S S C T J U U C T K S W K I M T S V U U R N Y R T E O Q C W M O U Z F L E P R E C I S I O N M D M L C B O S V G F F U G Z B N D O P T L H E E P M B D Z A S S E M B L Y W E X S N R Q E K N U C D U M Y E Z T M H J G U E P M O L T E N M E T A L G X E I E R J A S P Q C F C N W F Z N Q V N Y E M G E F T E O I H V H X I A N E I Y F M G I Q R T L N A I E N S U E N M O A O T F U S R D I A M I B A R D A Y S B S L R A E E C S W H I T I H B L O Z V T U S L S V H H C H I N K F D F W B V N E U I S Q A A N Z G O L D T T T R N O E G T T W M U C R A A L L O Y N E O T N N Y H I B J X F S E C J W X R C X E N I Y G S E J S H O T C H A M B E R T O E I K A R Z





Word Bank

MACHINING	HOT CHAMBER
ALLOY	COLD CHAMBER
ENGINEERING	SURFACE FINISH
QUALITY	DESIGN
MOLTEN METAL	SPRUE
ASSEMBLY	CWM
FLASH	PRECISION
RUNNER	MAGMASOFT



Die Casting Wordplay

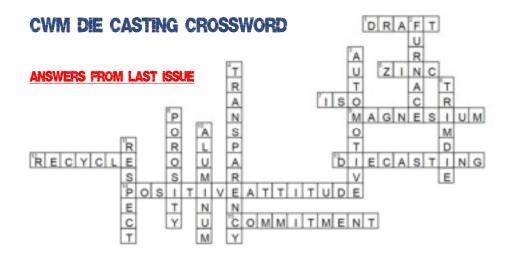
Instructions

The word/phrase to be filled in is a term used in die casting. The description underneath the phrase is an alternate meaning for the term.

Can you guess what the word/phrase is?

Hint: A flaky, buttery piece of baked bread (1 word).

DC Hint: Excess of ladled metal remaining in the shot sleeve of a cold chamber die casting machine. It is part of the cast shot and is removed from the die with the casting. Last Issue's Hint/Answer: A weekly paycheck for air (2 words): DRAFT ALLOWANCE



cwm: a year of awards

(continued from cover)

Stenograph produces high-end, portable stenotype machines with exceptional quality for court reporters. The Stenograph Luminex is more than a pound lighter than the previous model, 33% thinner, and stands a mere 2.5" tall.

The magnesium screen frame serves as an ideal replacement for plastic, creating a high-end feel and look to the end product. The keyboard chassis replaced aluminum with magnesium for decreased mass, allowing the final product to offer maximum portability.

Walter Treiber, speaking at the IMA's World Conference in Italy, explained why magnesium was ultimately chosen for the die cast design of this particular casting: "Magnesium's ability to be die cast with excellent surface finish contributed to the sleek thin design of the screen frame. A court reporter is expected to type the official tran-



scripts of court hearings several times a day with amazing efficiency, so the decision to cast the keyboard chassis in magnesium reduced the overall end product mass, which increased portability from one courtroom to the next."

more awards >>>

Chicago White Metal Receives

Prestigious
NADCA
Emphasis on
Education Award



Chicago White Metal has been se-

lected to receive the prestigious Emphasis on Education Award from the North American Die Casting Association (NADCA). CWM was chosen to receive this prestigious award for its relentless dedication to the education of its team members through NADCA courses, webinars, and other informational events for the purpose of enhancing the team's understanding of die casting and its processes.

NADCA annually recognizes a die casting company that has had a specific focus on die casting education and training for their workforce. The award is chosen by the NADCA Education Staff and the Educational Committee Chairman. The selection criteria for outstanding contribution to the promotion of die casting education includes the number of NADCA courses held over the past year, the total number of employees exposed to the courses, and consistency in offering courses over the past three years.

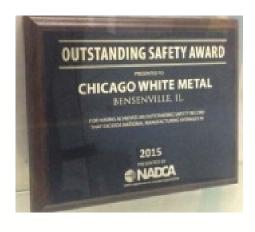
Congratulations to the team for their eagerness to participate in additional training!

CWM is Recognized for **Outstanding Safety by NADCA**

In a "Year of Awards" for Chicago White Metal, NADCA recognized CWM for its Outstanding Safety efforts in 2015.

CWM was named one of a carefully selected group of die casters for its dedication to keeping its employees safe.

The annual NADCA Safety Award recognizes die casting companies that have met or exceeded industry



criteria for operating a safe working environment for employees, covering total operations whose reportable injury or illness level was below the national average of 7.0 for all manufacturing companies.

Congratulations to the team for another win this year!

HISTORICAL CWM ARTIFACTS



1930's—1940's Vintage Ashtray Lamps with CWM Base Castings

Chicago White Metal has been casting parts for thousands of different companies in its almost 80 years of existence. Although many of the parts are obsolete and the end products cannot be found anymore, CWM does rarely come across an antique item that contains a part cast by a much younger Chicago White Metal.

Recently, an individual reached out to CWM with such a rarity. James J. Parker of New Jersey came across a set of matching floor-standing art deco ashtrays with illuminated bases, acorn tops, and electric cigarette lighters. He wanted to get an idea of how old the ashtrays were, as he had received the pieces from an antique & collectables dealer, who in turn had received them from an individual who had acquired the pieces from an estate sale.

The base was stamped with "Chicago White Metal Products" on the bottom, which was an indication of when the casting was created. Today, the full name of the company is "Chicago White Metal Casting, Inc." In its early years, CWM was known as "Chicago White Metal Casting Ornamental and Mechanical Products," or "Chicago White Metal Products" for short. CWM started the company with the manufacture of slush castings, which chairman Walter Treiber suspects the base part may be, just by studying the surface.

"You can tell a lot about the metal flow in how the part solidifies," Walter states. "Luckily this part has an unfinished surface on the bottom and I was able to tell right away that this is a slush casting. This part is nothing that I can remember in my 57 years working at CWM, so this part might have been cast in the late 1930's and could be one of our first parts. What a phenomenal piece to come across!"

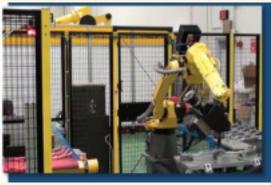
CWM Invests in FANUC Robotics (cont.)

Additionally, the robot allows the operator to shift focus to other tasks, including cosmetic inspection, gauging, or tending to other machines. Several hours' worth of machined product can be loaded/unloaded in seconds onto the side-by-side input/output conveyors that are integrated into the cell and tied into the robot's logic.

The system allows the robot/CNC cell to work continuously, resulting in a steady flow of product. The robot incorporates several camerabased inspection steps, using a 2D vision verification system which simulates eyes, further assuring that the parts are going to meet CWM's and the customer's quality standards.

CWM employs a similar FANUC M710 series robot in the die casting department, where it extracts hot castings from the die casting ma-





chine and places them gently into a quench tank, and then onto a conveyor. This greatly reduces the chance that a part will be damaged from being ejected from the die and onto a conveyor directly.

Stay tuned for more equipment updates!

ATTENTION: cwm t eam member s!

insur ance open enr ol I ment

November 2016



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Inside CWM is published by Chicago White Metal Casting, and its CNC Machining and Contract Manufacturing Divisions. It contains up-to-date news for all our employees, valued customers, sales representatives, and supplier partners who are all equally vital to our success.