



Inside CWM is published by Chicago White Metal Casting, and its CNC Technologies and Contract Manufacturing Divisions, for all of our employees and for our sales representatives and supplier partners who are equally vital to our success. Visit us at: www.cwmdiecast.com/ www.cnc-technology.com/ www.cwm-contractmfrg.com/
CWM is located near O'Hare Airport in Bensenville, IL U.S.A.

Committed to Total Customer Satisfaction with CWM's ISO 9001 & ISO 14001 Registered Management Systems: Excellence is Expected

CWM Observes 9/11 Fifth Anniversary



The Commemorative Red Maples, planted 9/11/06, In Memoriam.

On September 11, CWM held an observance to commemorate the fifth anniversary of the 9/11 tragedy. The entire CWM day shift gathered near two red maple trees that were planted that morning to honor the memory of the fallen heroes who tragically lost their lives five years ago in the terrorist attacks on America—in New York, Washington and Shanksville, Pennsylvania.

Eric Treiber, CWM president, led the observance and noted that the maples would each spring bring beauty to their surroundings with their bright red leaves and when admired, everyone will remember why they are there and what they stand for. They will continue to commemorate the lives of those so brutally taken. ■

Implementation of Lean Manufacturing Practices Taken to Next Level at CWM

The newest phase of Chicago White Metal Casting's implementation of best manufacturing practices for integration into CWM production has moved to the next level. Using guidelines from successfully demonstrated approaches to disciplined analysis, planning and lean implementation steps, the new program has already shown its effectiveness.

Reaching Out to Best Practices

CWM had become familiar with the lean manufacturing program in operation for some time at one of its largest customers, producing professional products for a worldwide marketplace.

The two firms agreed to a 3-day orientation session at one of the customer's facilities that had introduced a lean practices program seven years ago, to be attended by teams from CWM. In the past year, six CWM

team members have attended comprehensive "lean training" at this plant.

The depth of the training methodologies in place, the level of personnel support and



Heading teams performing Kaizen Events during the 3-day Lean Manufacturing training sessions at CWM, (l to r) Kalpesh Patel, Bill Erbacci and Dan O'Connor.

commitment, and the demonstrated success in implementing lean manufacturing practices made this program impressive.

This series of exposures to this successful program culminated in CWM's request for an intensive session held at its Bensenville, IL plant. A 3-day lean manufacturing training session was generously agreed to, conducted by three managers most experienced in the training protocol.

Focus on Accelerated Improvements

The sessions included two "Kaizen events" (periods focussed on the basis for accelerated, radical improvements in a minimum time frame), "Value Stream Mapping" (understanding the elements of the primary tool for lean analysis and planning for continuous improvement), and a highly focussed die cast tool set-up reduction exercise.

Members of the two CWM teams that participated were:

Value Stream Mapping: Kalpesh Patel and Dan O'Connor, Team Co-Leaders; Maria

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Strong Promotion for Two Outstanding Projects

Two examples of outstanding products in their field, incorporating significant hot-chamber magnesium die cast components produced by Chicago White Metal,

are now being exposed to the large OEM design and engineering audiences of Design News and Machine Design magazines.

Reaching the OEM Product Designer

These two publications are the leaders in reaching the OEM engineers and independent design consultants who design the prod-

ucts that are most often candidates for die casting. The two die casting applications, a new digital medical imager's side walls and new GPS receiver system's housing, demonstrate how CWM die castings meet the exacting needs of innovative products.

High Impact Full-Color Ads

Full-page, full-color advertisements carry the strong message that for precision engineered products that require strength and durability, combined with light weight for

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CWM Honors
EMPLOYEES OF
THE MONTH

These CWM employees have been honored as Employees of the Month.

February '06: Cesar Guzman

A member of the traffic department, Cesar is praised for his commitment to training temps and new employees. He is disciplined and unselfish in his support of other CWMers, performing impeccably without fanfare, often working alone in the department.



Cesar Guzman

March '06: Leticia Ramirez

Leticia performs many different tasks in the quality assurance department, including certification documentation, return authorizations, and first article paperwork. Highly organized, she has worked hard to improve the supplier rating program.



Leticia Ramirez

April '06: Donat Jaglowski

Donat, now retired after 26 years of service at CWM, was skilled at reducing die casting production downtime and scrap, often improving cycle times. His co-workers always found him cooperative and quick to offer his support. Very best wishes, Donat!



Donat Jaglowski

May '06: Manrique Barrera

Manny has been assigned to a variety of jobs within the production department, including trim press operator, die caster, and tooling coordinator. His depth of experience gives the department great flexibility and enables him to provide training to new employees.



Manrique Barrera

Annual CWM Golf Outing at Bloomingdale a Big Success, with 52 Golfers Ignoring Brief Drizzle

June '06: Jose Ramos

Jose, a die caster in the aluminum department, is able to maintain quality while operating two die casting machines at once, and is also frequently asked to run the more challenging casting projects. He also works with others in a true spirit of team work.



Jose Ramos

July '06: Teresa Marchan

Already considered a consummate team player, Teresa was one of the first to volunteer to learn how to operate CNC equipment, helping CWM develop a more flexible team by staff cross training. Over the years at CWM, she has consistently demonstrated high levels of skill as well as a cooperative spirit.



Teresa Marchan

August '06: Gustavo Martinez

A member of the CNC department, Gustavo was recently promoted, assuming responsibilities which are critical to CWM's new "lean" initiatives and vital to lead times. Working well with other team members, he provides timely information to the expedite team to be shared with customers.



Gustavo Martinez

September '06: Juvenal Silva

Combining a passion for his job with great ingenuity, Juvenal, a member of the tooling department team, can repair almost anything. His problem solving and cooperative nature enhance CWM's services. ■



Juvenal Silva



(l to r) Ken Mrock, Chicago Bears; Tom Mrock, CWM (and Golf Outing Organizer extraordinaire); Craig Walters and Thom Foulks, Premier Finishing.



(l to r) Tony Soule and Mike Gilford, Allied Metal; Gary Schwan, Schwan Electric; Walter Treiber, CWM CEO, Chairman.



(l to r) Brian Andrews, Jose Ruiz and Jeff Paul, CWM-CNC Technologies Division; Harlan Krafft, ASG Staffing.

Fifty-two golfers combining for a total of 56 dinner guests gave a big thumbs up to the CWM annual day of golf, fine dining and spontaneous entertainment at this 26th outing held at the Bloomingdale Golf Club in Bloomingdale, IL in August. The event was superbly reorganized by CWM's Tom Mrock, after an original June date's rainout.

Star performers received prizes generously donated by Slipmate, Inc.:

For the second year in a row, Pablo Zalduendo, Z Group Financial, had the best round with a 73.

There were five "special winners" holes, with prizes for closest to the pin: Tom Loots, former CWM employee, 7 ft. 6 in., 11th hole; Frank Voltarel, Accurate Anodizing, 7 ft. 9 in., 13th hole; Dan Pfeiffer, Heritage Bag, 9 ft. 3 in., 6th hole; Tom Mrock, CWM Mgr. Process Technologies, 28 ft., 16th hole; Nick Sickler, J. R. Waters, 43 ft., 9th hole. ■

Two Outstanding CWM Mg Projects Receive Strong Promotion to OEMs


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convenient portability, hot-chamber Mg die casting from CWM is the optimum choice. In addition, die cast components offer built-in EMI/RFI shielding, for a combination of advantages for rugged housings which lightweight plastic cannot match.

The advanced desktop Codonics Multi-Media Imager creates superior dry digital reproductions for radiologists, MRI departments and other healthcare facilities and is replacing wet film technology. The new Topcon GR-3 Global Positioning System is a breakthrough for a range of satellite tracking operations—its Mg housing is shock rated to survive 6.5 ft. drops to concrete.

Reproductions of the CWM ads for the Codonics digital medical imager's side walls and the Topcon GPS satellite receiver housing, appear here. ■

**With this Horizon® Multi-media Imager
Codonics engineers are changing the world
of high-tech medical imaging—**



**and CWM has
an important part in it
(two critical magnesium die cast parts)**

Left and right die cast Mg housings, with high-tech circuit components, in exact position of 0.025 in.

With light weight plus stiffness, the 300-watt electrical enclosure and secured features of 0.025 in.

Radiologists have called it "superb." MRI departments are relying on the diagnostic output of the Codonics Horizon® Multi-media Dry Medical Imager as "exceptional," for surpassing the image quality of its wet film predecessors which occupied the space of a passenger car.

Superior Images, Ultra Compact, Extraordinary Value Utilizing over a decade of innovation in dry, multi-media imaging technology, Codonics engineers have created an all-in-one desktop imager that, in combination with unique direct thermal and dye-sublimation media, instantly delivers diagnostic film, stunning color prints, and graphic paper images. Total weight: 65 lbs.

This breakthrough in performance and versatility is leading revolutionizing medical diagnostics, resulting in solutions that are reducing costs, increasing waste, and improving workflow for healthcare facilities.

Hot Chamber Mg Die Casting Met the Critical Specs The Horizon chassis design went through initial production iterations using zinc-aluminum castings in graphite molds. After design modifications, the hot-chamber magnesium die casting process and CNC precision machining was selected for volume production.

Let us show you how our engineering genius, skills, and technologies can help assure project success. Visit CWM's website, listed on right, or call us now.

Chicago White Metal Casting, Inc.
Certified Aluminum, Magnesium, & Zinc Die Casting • In-House Machining • ISO 9001 REGISTERED QUALITY SYSTEM
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When you spec "rugged"

**in a precision engineered,
lightweight portable unit—
like this next generation
GPS system from Topcon—**



**a CWM hot-chamber
mag die cast housing
will help assure
your success**

The GR-3 chip in Topcon's new GR-3 receiver system is a major breakthrough in satellite positioning technology. It not only tracks all three of the world's current and planned satellite positioning systems, but supports all system modernizations being planned for the future. Project managers at Topcon wanted the GR-3 enclosure to be as advanced as the technology inside.

Top Priority: Ultra-Rugged but Lightweight The housing was first called for the strength and durability to take the punishment of any job site, including the inevitable drops to concrete. Remaining waterproof and dustproof would be taken for granted, as well as operating accurately at -40 to 140°F (-40 to 60°C). And, as a portable unit, it should be as light as possible.

A simple but internally complex housing design was planned for magnesium die casting, using a unique integrated I-beam configuration. The final result exceeded expectations: a lightweight, ultra-rugged innovative enclosure—matching the GR-3 technology that eliminated replacement as new GPS signals come on line.

High Tech Die Cast Magnesium Was the Clear Choice The combination of high strength, light weight and the built-in EMI/RFI shielding characteristics of magnesium alloy made it the easy choice for this advanced portable receiver.

CWM's high tech hot-chamber Mg die cast plus precision CNC machining was the cost-efficient volume production option to deliver the design configuration and complex internal features to final meeting specifications. The 7 in. high (17.8 cm) I-beam die casting weighs 11.2 oz. (317.5 g).

After a conversion coating, it receives a fine textured powder coat finish to color match its nonmetallic components, followed by post printing. Download Any of 40 OEM Design Guides from CWM Go to: www.cwm-ill.com/GR3/. You'll find links to all 40, including a valuable CWM "Quick Guide" to Die Cast Surface Finishing.

Let us show you how our OEM guidance, skills, and technology can help assure project success. Call or visit our website, at right.

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Topcon is a registered trademark of Topcon Positioning Systems, Inc.

Ads for the Codonics Imager's Mg side walls will have appeared in two *Design News Medical* issues; Ads for Topcon's rugged Mg GPS housing will have appeared in *Design News & Machine Design*.

Lean Manufacturing Taken to the Next Level at CWM

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Banas; Jose Ruiz; Bill Nowarita; and Melinda Gonzalez.

Die Set-up Reduction: Bill Erbacci, Team Leader; Trinidad Aguilera; Efrain Ocampo; Jesus Barrera; and Andy Siek.

According to CWM President Eric Treiber, this initial hands-on training not only laid the groundwork for a fully formalized lean

manufacturing program at CWM but, in addition, bore immediate fruit in revealing opportunities for improvement in several areas, including the machining and die casting department operations.

Comprehensive lean manufacturing training classes are now being conducted weekly, with expansion planned for reaching all departments of the company. ■

Bob Monks New CWM Pacific NW Sales Rep

WESCO Sales, the Rep firm of Bob Monks, is now representing Chicago White Metal Casting in Washington state, Oregon, Idaho, Montana and British Columbia.

After 13 years in the Pacific Northwest as a manufacturer's representative for mechanical and electro mechanical components, Bob Monks formed WESCO Sales in February 2006, headquartered in Kirkland, WA. He focuses mainly on mechanical/electro mechanical components including batteries and battery packs, and the current production services of injection molding, metal stamping, precision die cut gasketing and EMI/RFI shielding.

Prior to his career as a sales rep., Bob had been with Boeing Commercial Airplane Group as a buyer of machined components and then became a territory sales rep for Milgard Windows in Tacoma, WA.

He and his wife, Jacquie, are the parents of 6-month old Makenna Marie, their first. Bob enjoys fly fishing the local waters for trout, steelhead and salmon. ■



Jacquie, Bob & Makenna Marie



Homer and Betty Thomas on their T-Tec Sales CWM Sales Rep Prize trip from Texas to their terminus in Calgary. Homer tied for the grand prize along with co-winner Gary Lord of Talbot Associates.