

The background of the image features a dynamic, abstract pattern of glowing red and orange streaks, resembling light trails or energy flows, set against a dark, almost black, background.

Proper

OCTOBER 2016

SERIES 2

Letter from the CEO

October is the start of our final quarter of 2016. The first three quarters of this year have been a challenge for our company. From delays on tooling programs, managing the expansion and construction of three locations, pre-launch of the BMW GO1 & GO2 program, and changes to our organization to support the growth of our company have been very disruptive to our team.

This quarter will no doubt improve. The Tooling Group with plenty of new projects, starting and carrying well into 2017 will keep this group very busy. Equally benefiting this is our Polymer Group, which has many new programs to launch as well as servicing strong orders from current business.

As you read the articles, I hope you see the great progress our team is doing in improving, changing, developing and creating a great manufacturing organization that supports the ever changing business landscape. As October closes and our Presidential election finally concludes, we can begin to get back to some normalcy in our lives.

This is a great time of year to enjoy the colored landscape, football, the World Series, and apple cider with your favorite family variations.

SERIES 2

Geoff O'Brien
CEO

A handwritten signature in blue ink, appearing to read "Geoff O'Brien".

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PGI Machining





PGIM is continuing to expand its customer base adding Warrior Sports, Magna Ausotystems, and Mann+Hummel to its list.

To keep up with our growing customer base and work requirements, we have continued to develop and improve our equipment. We have a new 10 ton CRB crane in our North Bay and a new 15 / 20 ton CRB crane in our South Bay. We have also acquired the large radial drill that was at Proper Tooling. A pit was dug to accommodate large plates requiring tapped holes.

Amongst all the changes, we would also like to recognize those who have continued to dedicate their efforts to help continually improve and grow our company. Dennis Marcath is closing in on his 36th year anniversary. Congratulations.

Steve Vandenberghe



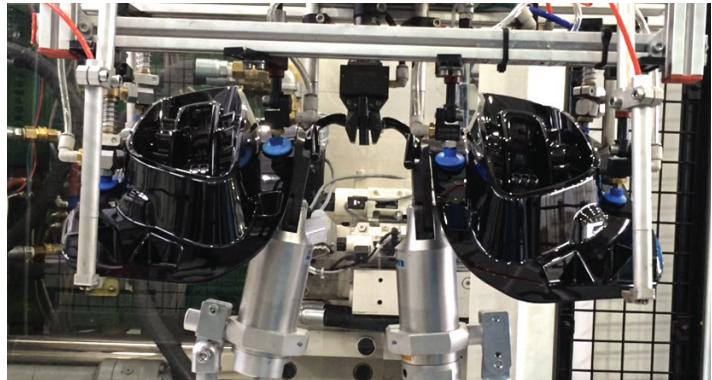
Proper polymers

Pushing the “Cutting Edge”

Over the past year, Proper Polymers has been working hard to improve quality and reduce cost while creating a safer environment for its associates. A key initiative for this has been changing our standards and implementing automation to eliminate the need for associates to use knives or clippers to cut gates from parts.

This effort starts up front in the product feasibility and tool design. Whenever possible, molds are designed with direct gates on the part, or are sub-gated to eliminate the need to trim gates all together. Still, there are situations where thick edge gates cannot be avoided. In these situations, Polymers is deploying sophisticated, robotically controlled “End of Arm Tooling” and/or secondary equipment to automatically remove the gates from the parts prior to the parts being conveyed to the associates.

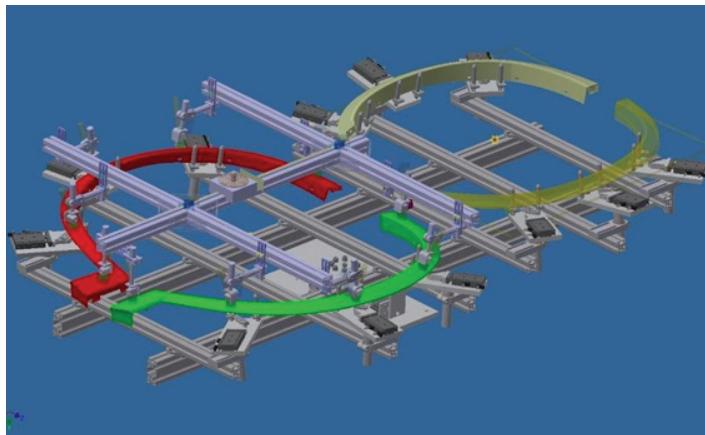
Many parts have multiple gates which would require associates to physically handle the parts and use a hand tool to remove the gates in the allotted cycle time. This adds complexity to the job for the associate. By taking this effort away from the associate, they can now focus on the quality of the part. With automated gate trimming, the gates are trimmed consistently every time, which improves the quality. Safety is always the number one consideration in everything we do. Removing sharp tools from the floor further protects our associates, as well as the parts.



Proper Polymers Pulaski - Jeep Cherokee Head Lamp Bezel- Parts are robotically removed from the mold and presented to the secondary gate trimming device.



Proper Polymers Warren - Chevy Cruze Exterior Pillar- Parts are robotically removed from the mold and presented to the secondary gate trimming device. The gates on are nearly 2 inches long and would be impossible to trim by hand otherwise.



Proper Polymers Anderson- 4 Cavity Wheel Arch Finisher with 12 gates total. The gate cutting is integrated into the End of Arm tooling.

Proper Polymers Warren

The Proper Polymers Warren expansion was complete in June. The addition has doubled the size of the plant to 25,000 sq. ft. and added 2 shipping docks. The transformation will continue on the inside of the plant with the goal of becoming a “World Class” facility.



Proper Polymers before the expansion.



Proper Polymers after the expansion.

Proper Polymers Greenville

The Proper Polymers Greenville facility received its certificate of occupancy on September 15th. As the building is entering its final stages of completion, auxiliary molding and processing equipment is being installed concurrently. The first press is scheduled to arrive on August 29th. From September, through the end of 2016, we will install 10 of the 11 presses planned for Greenville. The final press will be installed in April 2017. The following is the press line up for Greenville:

(2) 2300 Ton | (2) 1600 Ton | (3) 1300 Ton
 (3) 750 Ton | (1) 551 Ton

In addition to the new facility, we have 55 molds arriving in the US from China, over the next month. Many of these were built at our own GTS facility in Shenzhen, China. Proper Tooling's operations in North America are completing 19 additional molds for this program. These tools are for the new BMW X3 vehicles which go into production in August of 2017. In addition, Proper Tooling will be building 78 molds for the BMW X4 program, which will start production early in 2018.

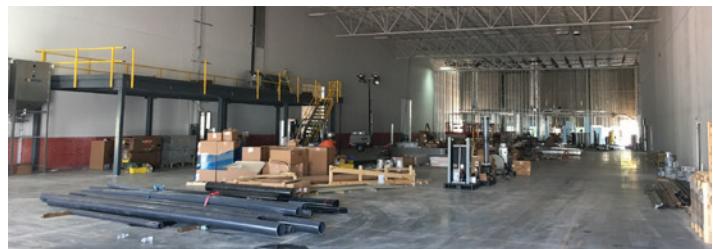
The execution of this program from the Proper Group Team has been nearly flawless to this point. Due to the magnitude of this program, Proper is getting significant, positive visibility from our customer, as well as at the highest levels in BMW. This is all thanks to the incredible efforts by our teams on the program and facility execution. Great job all!



Proper Polymers Greenville Facility



Proper Polymers Greenville - Manufacturing



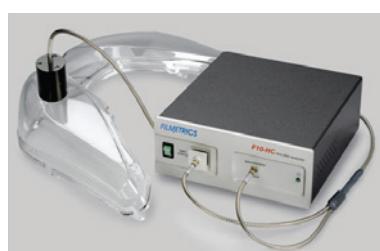
Proper Polymers Greenville - Warehouse with material conveyance mezzanine to the left and office construction in the background.

Proper Polymers Pulaski ups its game for testing and validation of lighting products

The Pulaski plant is fresh off receiving very high marks from a high level purchasing and quality manager from BMW. One area that really impressed the BMW Manager was the lab in Pulaski. Pulaski's lab is very clean and well organized, as you will see from the picture below.



The Pulaski lab is currently outfitted with a Hexagon Coordinate Measuring Machine, Moisture Analyzer and Microscope. In late August, Pulaski will take delivery of a Vertical Photometer and an Ellipsometer.



The ellipsometer is a specialized piece of equipment that Pulaski will use to quickly validate if the monomer applied during the metalizing process is meeting customers thickness requirements. The monomer is critical to protecting the metallized surface.



A Vertical Photometer is a device used for measurement of the light emitted from an object at different angles. This testing is a requirement for the many lighting components produced in Pulaski. This equipment will provide instant feedback of expected nominal test values, control limits and pass/fail limits.

Joe Grippe

GTS



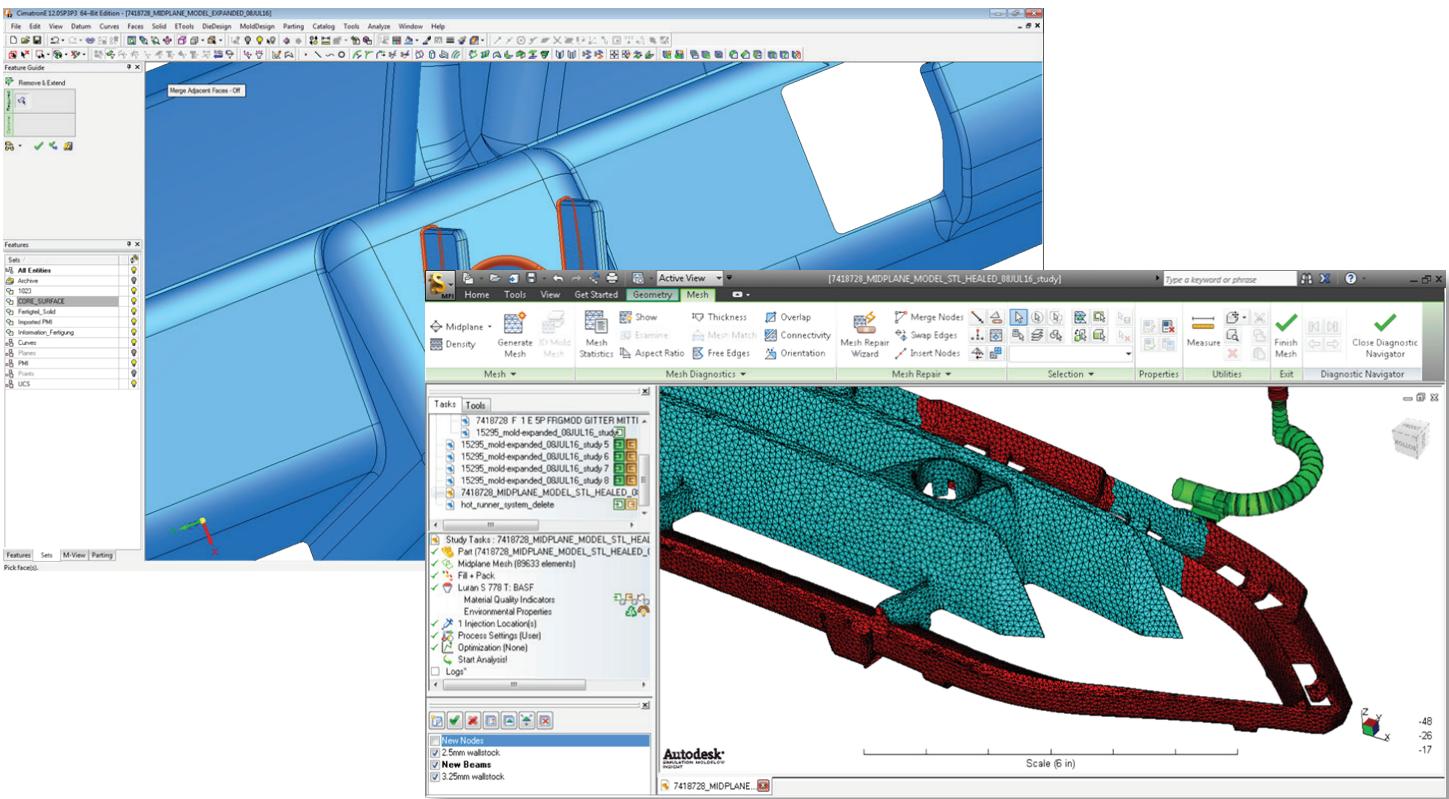


The GTS Design team continues to train our newly hired designers to get them up to speed on Proper design standards. In addition, our team is working on the transition from UG software to Cimatron software. In an effort to become proficient using Cimatron, two designers that have started using the software full time. Doug Draca has been a great help with the transition by being available for online meetings with China to explain the many proprietary improvements that Proper has developed for Cimatron software.

New developments on the shop floor include the addition of a rotary platen to our 600 ton molding machine. The purchase of this rotary platen was made due to a lack of good outsource options and high outsourcing costs. On a recent tooling program that included 10 rotary 2-shot molds, we were able to perform all the tryouts and required part runs in house. The ability to run tryouts in house resulted in a substantial savings in outsourcing and transportation costs, and also allowed us to better respond to the customers timing requirements.

David Loehr

Proper innovation



Proper Innovation is investigating a mid-plane mesh generator for 'Autodesk Moldflow Insight' that is synchronized with Cimatron's QuickSplit functionality. The traditional Moldflow model generation is classified as 'dual domain mesh' which is 300,000 plus elements and takes approximately 15 hours to run a single analysis to define gating. This process may take several attempts to balance internal cavity pressures and ensure structural integrity of our highly engineered tooling. An alternative modeling method is available thru Moldflow and involves 15 to 20 hours of manual modeling, but cuts the analysis time by 90%. The one-dimensional method is referred to as a 'midplane mesh' and consists of a single sheet surface representing a prescribed part thickness.

With the help of integrated Cimatron tools, the midplane mesh is reduced to 90,000 elements, modeling time of 4 hours, and cuts the run time to 2 hours. Simulation accuracy is within 95% of a 'dual domain mesh' on product with uniform nominal wallstock across the entire part. Listed below is the outlined procedure for this process to create a 'midplane mesh' from 3D geometry utilizing tools within our current Cimatron software package.

- 1). User imports model and establishes die vector.
- 2). Cimatron splits model cavity to core thru UCS function.
- 3). User has the ability to review each individual half, and defines which half is preferred.
- 4). User defines 'special product features' that are critical and require manual splitting (slides, lifters, retractors).

- 5). Cimatron separates 'special product features' and allows for defining of individual UCS vectors for more precise feature splitting.
- 5). Cimatron deletes unused half, stitches, and heals usable half to within 0.001".
- 5). User defines minimum allowable radius.
- 6). Cimatron selects and removes radii less than minimum radius.
- 7). User is allowed to manually manipulate the remaining surfaces and chooses to export.
- 8). Cimatron exports *.stl model in mold position with defined filename.

The procedure is being tested internally to determine overall return on investment. Refinement of this process will require some programming assistance from our ToolStats group. There is a high level of excitement when our engineering and programming groups converge on an innovative concept. I can't wait for the next breakthrough.

To all Proper Group Associates, please enjoy the next few weeks. We are bursting at the seams with new work just in time for the fall and winter months.

Mike Tabbert

Preventing Lost Data

The Reality of IT Theft

IT theft in the office ranks nearly as high **23%**



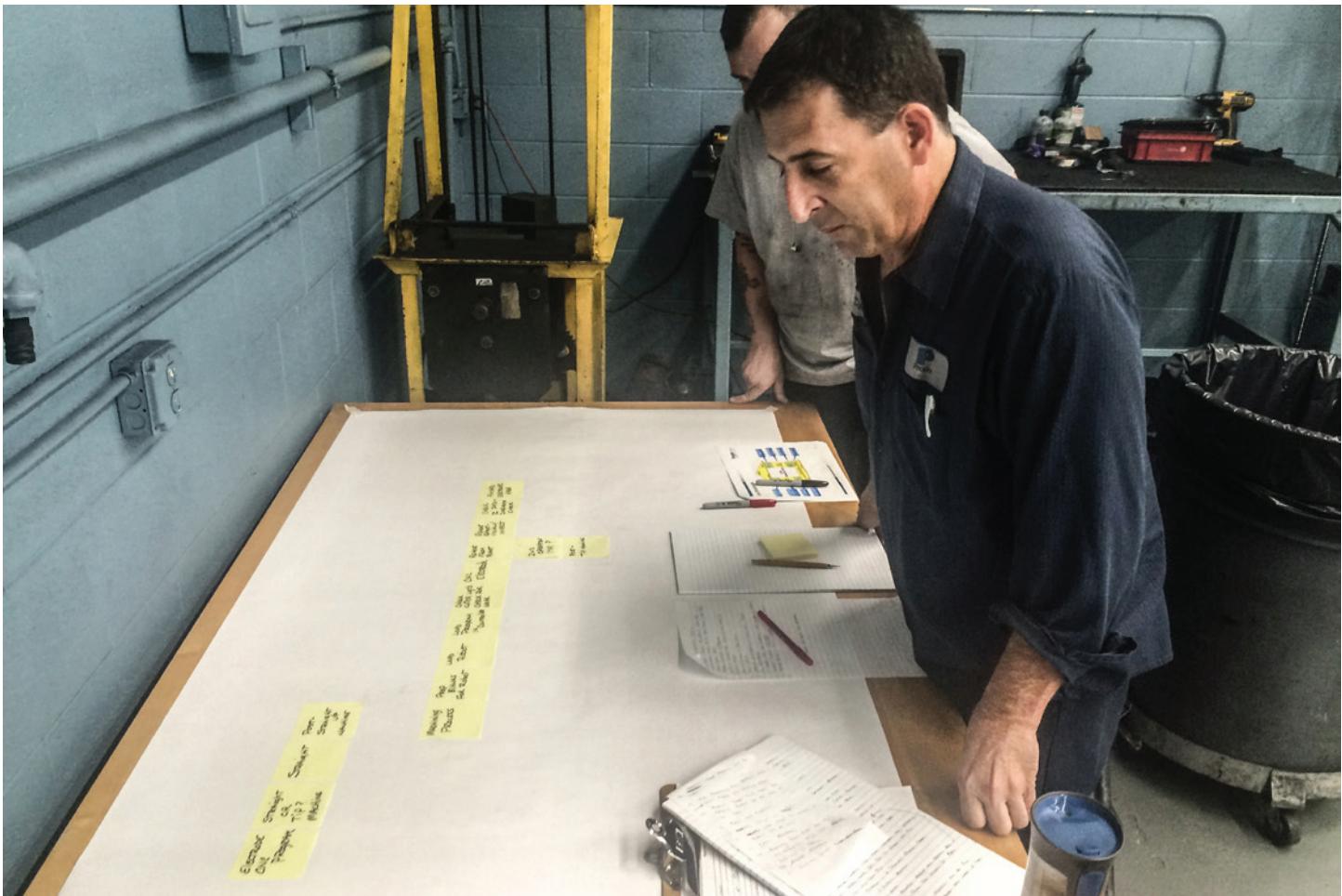
Losing company data on mobile equipment through damage or theft can be priceless. The demand for mobile equipment is increasing which sparks a concern. While the majority of associates use desktops, many of you have laptops, tablets, and mobile phones. Mobile equipment is more susceptible to damage and theft; therefore, you should take these steps to protect both your laptop and your data.

- Never leave confidential data on your laptop
- Never leave your laptop unguarded in a public place
- Never leave a laptop bag on a car seat in plain view
- Company data should NOT be stored on your laptop and should be stored on a company network drive. Laptop hard drives are not protected while network drives are. This not only applies to laptops but desktops as well.
- Notify IT immediately after any incident

Regardless of the precautions, you take, a laptop may still get lost or stolen. So it's vital to keep the loss to a minimum by ensuring your data is protected. Check out the infographic below displaying where laptop theft often occurs according to Kensington.

Winston Churchill said,
“To improve is to change; to be
perfect is to change often.”





Well, the automotive industry must be perfect as it is ever-changing and to survive we must change with it. What was good enough yesterday is not good enough today. The industry is requiring tooling that is more complex, built at a faster pace and at a lower price. Proper Tooling Warren has established a Process Improvement Team to address our ever changing business. The team consists of representatives from all areas of engineering and manufacturing. They are challenged with meeting the industry expectations while producing tools at a faster pace and at a lower cost.

One of the projects they are working on is the transformation of electrode manufacturing.

Darren Mack, Scott Fair and the Electrode team have taken on the mission of producing electrodes faster and at the lowest cost possible. They are using the principles of Lean Manufacturing and 6S to guide them on their mission. A new Makino F5 milling machine was added replacing an older machine to improve downtime and adding Stability to the process. The milling room has been painted, obsolete items are being removed and the remaining items are being organized in an efficient and effective

manner. The hard part comes next, Process Improvement; what is the most effective way of producing electrodes? The team is mapping the current process and work flow to understand the costs and identify areas for improvement. Using this study they will focus on the large cost items first. They have already identified milling as a large item and have integrated Cimatron's VoluMill software into the process. The initial findings are showing a 45% reduction in electrode milling time with Volumill. This reduction is great but the cost of the software, cutters and cutter life must be taken into the equation before we know that it is truly a cost savings. A second area they are focusing on is lights out manufacturing during the nights. The electrode milling machines are robotically loaded, by programming and setting up the robots during the days, the robots can run unmanned at night. For this to happen a structured process must be created and followed. It appears the Electrode team is on the right path for success and I look forward to seeing what they will come up with next.

If you have ideas or items you think the Process Improvement Team should look at please let us know.

David Karnes



With a steadfast spirit and innovation embedded in its transformation, ToolStats has remained on its path of growth and influence. Several key projects transcend among the countless opportunities at ToolStats. The release of ToolStats 2.0 is certainly becoming closer to reality. Events, collaboration, and inventiveness are the highlights of this summer at ToolStats. As a result of its metamorphosis, ToolStats has shifted from being a resource for tool tracking and data management to becoming the resource to get companies on the right track!

On the Right Track

Collaborating with local businesses, partners of partners, customers, media outlets and organizations is breeding success and producing ample opportunities for ToolStats. ToolStats' most recent publication was full-page coverage in the August issue of Mold Making Technology. In the article titled "Tracking Tools in the Cloud," ToolStats' technology was featured as a platform that is seemingly becoming a future industry standard. In summary, the cloud-based application was showcased as 'the all-inclusive

tool management platform that provides the necessary tools for companies to store and share files, provide real-time updates, locate tools via GPS and collaborate with other companies on one centralized system.

Through positive industry-relevant media exposure and participation at events and with partners, the ToolStats team also had the pleasure of being invited to the 2016 Brose Innovation Day. Hosted at the Auburn Hills facility, this exclusive event allowed ToolStats to be one of nine Brose suppliers to present the ToolStats technology and its comprehensive solution to Brose. With over 500 people in attendance of Brose North America, top management in Purchasing and Development and other Brose board members, Sean Brolley represented ToolStats as both an exhibitor and speaker. In addition to the premier opportunity that allowed for networking, fresh ideas, and exposure, ToolStats is also currently working with Brose to implement ToolStats for Brose's newest project inclusive of over 600 tools creating the possibility of immense success.

A new application feature – project status tracking - also debuted this summer. The project status tracking capability allows companies to select one of six phases in which a project or tool is in; furthermore, a percent to completion line item and current status indicator is available to better track the status of the project or tool. Via the user's home page, this new tracking capability allows users to update and share their program status instantly to all of the teams affiliated with the project.

Investing in Simplicity

Earlier this summer, the ToolStats team began researching and strategizing a new pricing model for its software with an objective to appeal to the customer base whilst producing a continuous stream of revenue and flexibility for the customer and ToolStats alike. The ToolStats application has since shifted from a pricing model that reflected a standard hefty one-time upfront per tool cost to a selection of subscription based packages that appeals to customers from a small tool shop to the globally renowned OEMs.

One of the first companies to sign up for their subscription to ToolStats was Tycos Tool & Die, the in-house tool maker for Magna Exteriors. Sales is closely working with the team from Tycos to equip all of their new mold builds with ToolStats, and in the process making introductions to the different divisions throughout Magna. Another exciting win for the team this quarter was the signing of HP, Inc. to a 3 year subscription commitment, with plans to roll-out ToolStats across multiple divisions within HP and increasing visibility.

As more companies learn of the ToolStats' technology and the exciting and customizable features of ToolStats 2.0, positive feedback has reassured the business team that the combination of customer-centric service and software harvests the optimum business model. The ToolStats team will continue to invest in the power of simplicity and charge into the next quarter committed to success and remaining on the right track!

Sean Brolley

Toolmaker Company	Program Name	Part Number	Part Name	Tool Description	Project Phase	% to Completion	Status	Actual Milestone	Data Level	Actions
NA	Chrysler KL	C14234-106 and C14235-106	Rear	Plastic Injection Mold	Tool Design	30.00	Delayed	CW18/2017	●	🕒 ✍ ✚
NA	Chrysler KL	C14213-107 and C14214-107	Frt	Plastic Injection Mold	Tool Build	100.00	On-Time	CW30/2016	●	🕒 ✍ ✚
NA	Chrysler WD	926818-200 and 926819-200	Rear RH and LH	Plastic Injection Mold	Tool Kick Off	0.00	Not Started	CW30	●	🕒 ✍ ✚
NA	Chrysler WK	926815-201 and 926814-201	Frt LH and RH	Plastic Injection Mold	Tool Transfer	30.00	In Process	CW31/2016	●	🕒 ✍ ✚
NA	Chrysler WK	926817-201 and 926816-201	Rear LH and RH	Plastic Injection Mold	Run @ Rate	75.00	On-Time	CW51	●	🕒 ✍ ✚

Project Phase: Tool Kick Off

% to Completion:

Status: Complete

Planned Milestone:
Actual Milestone:

Select:

Cancel
Submit

▼ Project Status

Add

Project Phase	% to Completion	Project Status	Planned Milestone	Actual Milestone	Selected Phase	Actions
Tool Kick Off	100	Complete	CW28	CW28	●	✍ trash
Tool Design	100	Complete	CW35	CW35	●	✍ trash
Tool Build	75	On-Time	CW39	CW39	●	✍ trash

PGI Optics



In the past month there has been a lot of talk about process improvement. To take a look at how we currently do it, and how can we improve the process. I have found that YouTube has been a big help, take a look at some of the videos on there From the machines and cutter manufacturers, some pretty mind blowing thing on there.

A few examples are, faster cutting times, improved surface finish and expanding the use of the FCS Work holding System using their Guide Line Software. Currently the FCS mounting holes Are primarily used in the larger components of a mold. So why not use them in smaller components, One example is lifters, as it is now once the tops are cut off the only way to hold and pick up the lifter is by using the lifter bar. Next time you walk by a CNC or EDM machine and they are setting up a lifter for an engineering change, just ask the operator and I'll bet they will say that it is not the highlight of their day. Putting FCS in that lifter in the design phase will dramatically improve efficiency and accuracy.

Although I/we haven't tried all situations, but the ones that have been tried and tested worked excellent. Again, with any change in process there will be trial and error. Rev A, Rev B, etc...

Currently, depending on the complexity of the block (2d, water, ejection) the designer must visually look for interferences when adding FCS. That's where The Guideline software comes in. It takes that down to a few minutes. Once done in guide line, the locations with cutting object can seamlessly be put into the master design and model file. Eliminating the need for "Hey, did you put the FCS in, where's the file?"

Last week the software was rolled out into the Lifter Cell and the HM600's for further testing. Additional Cam software's are being tested. CamTool, PowerMill, Tebis and soon Cimatron V13. A few key points be evaluated are, Program calculation times, Surface Finish quality, ease of use and the learning curve.

Brian Hoppe

Proper tooling

Proper Tooling's Customer Portfolio Continues to Grow

Proper Tooling is continually looking for new strategic partners that fit our primary manufacturing strengths. We look for new customers who can benefit from our manufacturing specialties, and align with the technologies we excel at. We don't always evaluate just the actual plastic part, but what the part represents, how it is manufactured, and what strengths of ours we can use to enhance the manufacturing of the end product. Along with finding the right product mix, we also evaluate the company's culture and how they conduct their business. Proper is constantly mining for new strategic partners over transactional companies who are not looking to work collaboratively. We are an engineering driven organization and we work best with companies that want to build on each other's strengths.

During the last quarterly managers meeting, Proper Tooling presented its three newest edition to its customer base. Our new customers fit into our business model and align to either one of our specialties, divisional manufacturing plans, or match our culture with a strong strategic fit.

We are very happy to announce the addition of Tokai Rika Group, GM Specialty Vehicles, and OtterBox to our manufacturing family.

Tokai Rika specializes in safety, security, comfort, and base their products on precision machining and high technical capability. Located in Tecumseh Ontario, Tokai Rika aligns with our CEPS division, and is finding value in having a technical manufacturing company now local to their engineering office. CEPS is already supporting their second build with this customer, and there is potential for a 3rd, 17 tool package to launch in the 4th quarter of this year.

GM Specialty Vehicles is a new customer that is aligned with our Prototype division. Already with several programs delivered, GM SV is already seeing value in the upfront engineering and pre development technology our prototype division has to offer. Many of the products that we are working on are so top-secret, we don't even have names for the parts. The actual building itself is not labeled and many of you have driven by it without even knowing. They are taking advantage of the different technologies we offer and applying them to their one off vehicles. Some of the products we are making may be on the next president's limo, or even your favorite rock stars tour bus.

The last company we will discuss is a privately held organization that was started by a tool maker back in 1998. This company aligns with our manufacturing capability and is utilizing us for our turn key capability in design, tooling, molding, and complete product assembly. They too are a nimble organization with engineering at its core. Their ownership matches ours with having an appreciation for a strong manufacturing background, which makes then a very good cultural fit as well. We have been selected as the manufacturing partner for Otterbox to launch a new legacy product that will be available the first quarter of 2017.

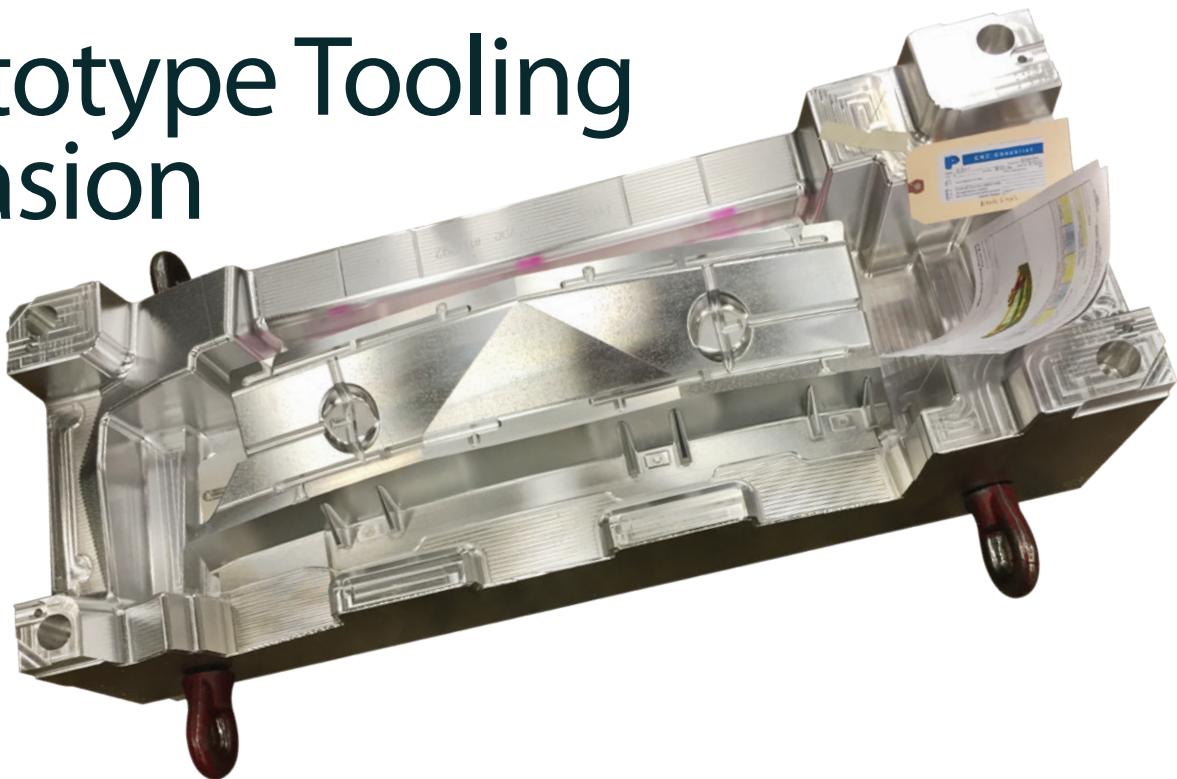
As our company continues to grow, we are afforded new opportunities with new customers that we must take advantage of. Our manufacturing capability, along with our reputation of having the strongest work ethic and people in the industry, continually puts us in winning position to do just that. As an organization, we are committed to growing our market share in our core specialties, and continually diversifying our customer base.

Thank you to all of our associates that make onboarding new customers and growing with them a successful experience.

Chris Churilla

Proper^{tooling}

Prototype Tooling Invasion



When walking through the shop, it is becoming increasing more evident that we are machining a significant amount of aluminum prototype tooling. This has not always been the case. Usually the prototype and production tooling divisions operated as separate entities, and there was little interface between the two groups. That is changing rapidly, as the two divisions are being blended together, and there is a much higher degree of work sharing between the groups.

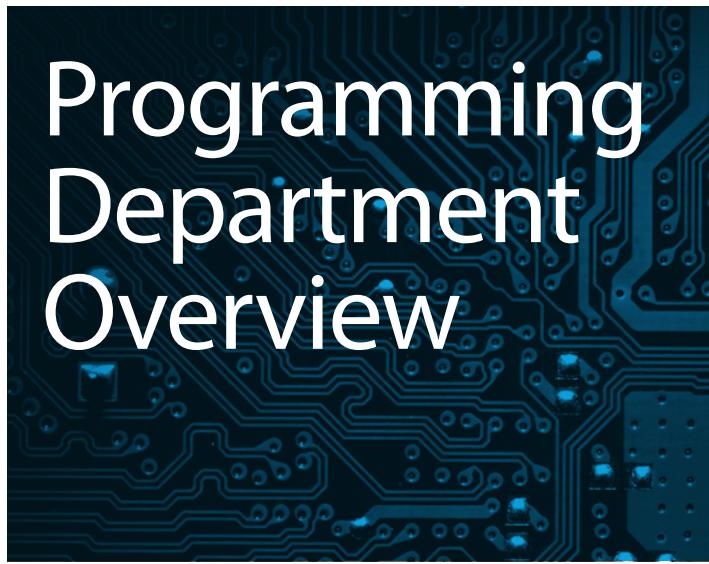
This blending of the two groups provides unparalleled opportunities for Proper Group International, offering advantages that were not previously available. They are as follows:

- Supplements our manufacturing workload, and fills gaps in our schedule, when production tool build activity is light. Aids in keeping our workforce busy, while maintaining a consistent work schedule
- Allows us to take on large prototype tooling programs, ranging from small to large tooling. In the past, the prototype division was hamstrung when it came to building larger tooling, due to machine size limitations and capabilities
- As we are highly specialized in the design and manufacture of automotive lighting tooling, it gives us a leg up on our prototype competition, as most prototype shops do not possess our skillset or expertise. Many shy away, reducing the amount of competition vying for the same work

- Many prototype tooling programs evolve, and we are selected to build the production tooling as well. This gives us a distinct advantage, as lessons learned from the prototype build are taken into account, and are applied to the production tooling build, which enable us to avoid the same pitfalls encountered in the prototype phase
- A large portion of the prototype tool build process is geared towards making high quality molded parts, with expectations that the product produced mimics actual production parts. The selling price of the parts is oftentimes more significant than the price of the tooling
- Bolsters the workload in our mold tryout area, whereas previously we were primarily dedicated to trialing new production tooling. More often than not, the number of prototype tool trials, exceeds the number of our production tool trials performed
- Profitability on prototype tooling programs is significantly higher, when compared to production tooling build programs

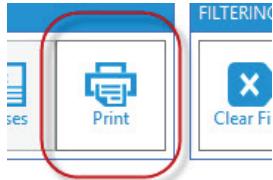
The blending of the two groups has been a success, and is good for Proper Group International. Look for more of the same type of activity going forward.

Pat Riley



The programming department is currently working on multiple projects, from ToolStats 2.0 to line of business apps and everything in between. Over the last few months we've released the DRC, Data Converter, various ToolStats updates, and the Quote Bounding Box function to name a few. The next LOB application we are planning on releasing is the Proper E. The Proper E LOB application is designed to be an overview of a project from the Engineering perspective.

Proper E Updates



Print

The new print function in Proper E, will allow a user to print, as well as export to multiple file formats.

Dashboard Report														
Job #	Customer Name	Program Name	Part Name	Program Manager	Account Manager	Job Status	Design Phase	Design Location	Design Leader	Final Design	Final Surface	Build Location	T1 Date	Post T1 Date
15170	Proper Polymers	BMW G01	Front Wheel Arch Finisher Bracket LH/RH	Robert Belbin	Michael Tabbert	Kicked Off	Final Design	Warren Production	Andre Schultz	5/20/2016	5/12/2016	Warren Production	7/18/2016	
15287	Proper Polymers	G02 Series	Front Lower Trim	Jeff Beetham	Michael Tabbert	Kicked Off	Final Surface Model	Warren Production	Andre Schultz	9/14/2016	9/2/2016	Warren Production	12/15/2016	
15288	Proper Polymers	G02 Series	Front Lower Trim Lines	Jeff Beetham	Michael Tabbert	Kicked Off	Roughin g Files	Warren Production	Andre Schultz	9/21/2016	9/9/2016	Warren Production	12/22/2016	
15303	Proper Polymers	G02 Series	Rear Lvr Skid exhaust	Jeff Beetham	Michael Tabbert	Kicked Off	Final Surface Model	Warren Production	Andre Schultz	9/2/2016	8/30/2016	Warren Production	12/9/2016	

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Dashboard Report														
Job #	Customer Name	Program Name	Part Name	Program Manager	CSV (comma delimited)	Design Phase	Design Location	Design Leader	Final Design	Final Surface	Build Location	T1 Date	Post T1 Date	
15170	Proper Polymers	BMW G01	Front Wheel Arch Finisher Bracket LH/RH	Robert Belbin	Excel 97-2003 Text Format	Final Design	Warren Production	Andre Schultz	5/20/2016	5/12/2016	Warren Production	7/18/2016		
15287	Proper Polymers	G02 Series	Front Lower Trim	Jeff Beetham	XPS Document	Final Surface Model	Warren Production	Andre Schultz	9/14/2016	9/2/2016	Warren Production	12/15/2016		
15288	Proper Polymers	G02 Series	Front Lower Trim Lines	Jeff Beetham	Tabbert	Kicked Off	Roughin g Files	Warren Production	Andre Schultz	9/21/2016	9/9/2016	Warren Production	12/22/2016	
15303	Proper Polymers	G02 Series	Rear Lvr Skid exhaust	Jeff Beetham	Michael Tabbert	Kicked Off	Final Surface Model	Warren Production	Andre Schultz	9/2/2016	8/30/2016	Warren Production	12/9/2016	

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Filters

With the next release of the Proper E, users will be able to apply save and apply advanced filters.

Job Visibility Options:

Jobs Per Page:

Andre - Kicked Off

This will filter by Design Leader Andre Schultz, kicked off jobs, and sort by the Job#.

Job #	Customer Name	Program Name	Part Name	Program Manager	Account Manager	Job Status	Design Phase	Design Location	Design Leader	Final Design	Final Surface	Build Location	T1 Date	Post T1 Date
15170	Proper Polymers	BMW G01	Front Wheel Arch Finisher Bracket LH/RH	Robert Belbin	Michael Tabbert	Kicked Off	Final Design	Warren Production	Andre Schultz	5/20/2016	5/12/2016	Warren Production	7/18/2016	
15287	Proper Polymers	G02 Series	Front Lower Trim	Jeff Beetham	Michael Tabbert	Kicked Off	Final Surface Model	Warren Production	Andre Schultz	9/14/2016	9/2/2016	Warren Production	12/15/2016	
15288	Proper Polymers	G02 Series	Front Lower Trim Lines	Jeff Beetham	Michael Tabbert	Kicked Off	Roughin g Files	Warren Production	Andre Schultz	9/21/2016	9/9/2016	Warren Production	12/22/2016	
15303	Proper Polymers	G02 Series	Rear Lvr Skid exhaust	Jeff Beetham	Michael Tabbert	Kicked Off	Final Surface Model	Warren Production	Andre Schultz	9/2/2016	8/30/2016	Warren Production	12/9/2016	

Filter Name: Andre - Kicked Off

Description: This will filter by Design Leader Andre Schultz, kicked off jobs, and sort by the Job#.

Save Filter Cancel

ToolStats

Company Dashboard

Development is underway for the ability to manage Companies. This will allow a company access to their information, ability to Add/Edit/Delete users, transfer projects, and Edit/View subscription information.

Company Dashboard

View Profile Edit Profile View Users Add User View Projects Create Project Delete Project Transfer Project View Subscription Edit Subscription

Project Dashboard

The Project Dashboard will allow someone to modify their project information, Add/Edit/Delete users, Add/Edit/Delete companies, and the current project status.

Company Dashboard

View Profile Edit Profile View Users Add User View Projects Create Project Delete Project Transfer Project View Subscription Edit Subscription

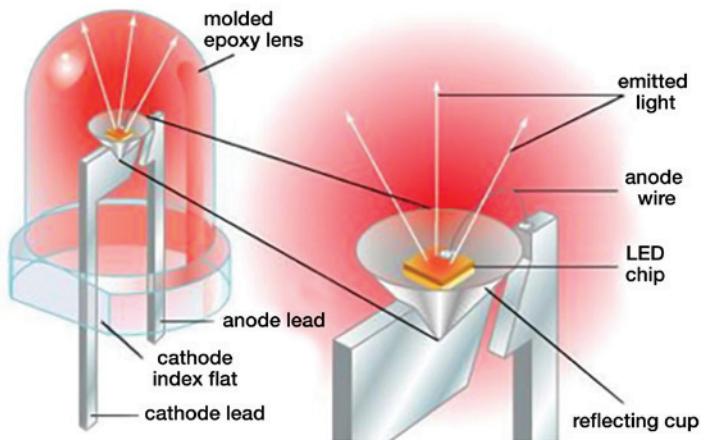
Need an application, have an idea for an improvement to an existing application? Please contact softwaredev@propergroupintl.com with your ideas. Proper's software division can create full blown web/desktop apps, excel, word, power point add-ins and Cimatron functions to name a few.

Proper Prototype

In this day and age, the automotive industry is being required to produce more efficient vehicles every year. It is a tough and costly task to meet new guide lines on more efficient vehicles.

We are working on weight reductions in the vehicle by lightening up interior and exterior components. Exteriors are going from steel panels to aluminum panels. Interiors, parts are thinning, foaming and trimming down.

Recently, Proper Tooling Prototype division has complete the prototype tooling for the Ford U554 Rear Applique program and we are currently assembling the full Rear Applique in house for our customer Automotive Lighting. Photo's of the Unlit and Lit Rear Applique assembly are shown.



The lighting aspect of the vehicle, is a specialty that Proper Tooling knows very well and excels in. The new efficient direction that automobile lighting industry is venturing down is exciting for it not only offer efficient aspects but also can add eye catching design and style to the vehicle. This direction is LED's.

LED stands for "light emitting diode." A diode is an electrical component with two terminals which conduct the electricity only in one direction. With an electrical current, the diode emits a bright light around the small bulb.

The old and faithful incandescent light bulbs are being forced out of automotive lighting, to be replaced by LED lights. LEDs can be installed in ways and in locations that are impossible with incandescent and fluorescent lighting. The LEDs have a number of advantages over incandescent lighting that are very attractive for automotive use:

- They are very insensitive to vibrations
- They last for the life of the vehicle (does not apply to headlight LEDs yet)
- They can be baked into moisture proof casings to be installed in all kinds of harsh environments
- They light up much quicker than incandescent bulbs
- They are extremely compact
- They can be made to emit different colors
- They run cool
- They give more light per supplied watt than incandescent light bulbs
- They allow the design to be creative in an area that was traditionally boxed in

The Automotive industry is constantly changing and we can only be proud and excited that Proper Tooling is always on the leading edge of all this new technology. Wait and see what is next.

Steve Carolin



Cutting Edge Precision Services

3230 Moynahan Street Oldcastle, ON N0R 1L0 PH: (519) 737-9901



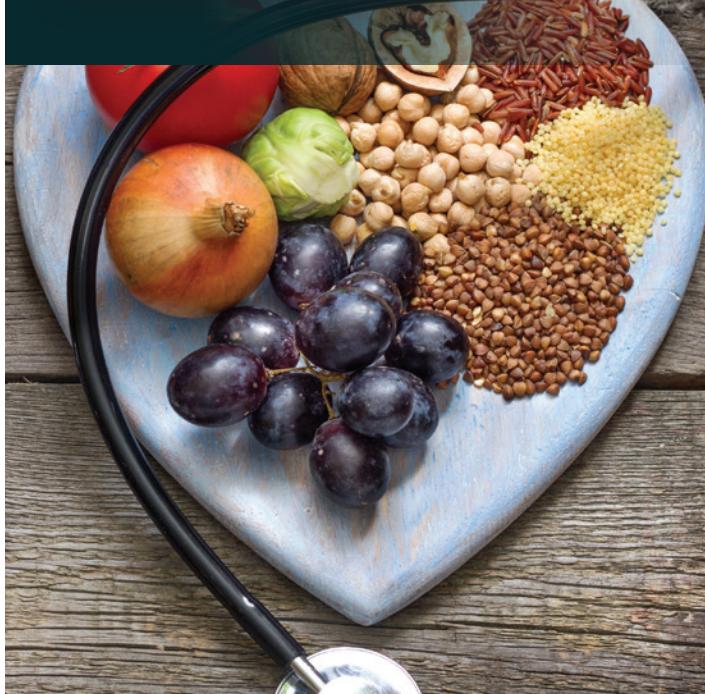


Hello Everyone. We moved in to our building expansion beginning of June and it is filling up quickly. The outside of the existing building will be undergoing a transformation shortly as well to keep up with the new look. The shop is staying busy with outsource machining for our mold, die cast and automation customers as we are waiting for the next round of tool builds to start.

Our 2 new DMG Machines are installed and in production. The DMU 125 DuoBlock will be used as an all-around machine doing everything from roughing, gundrilling to finishing. The DMU85 MonoBlock will be used primarily for finishing of small molds and inserts. The plan of moving our existing 5axis machines was executed and this area is running smoothly as our new small component manufacturing bay . The REIS spotting press that was at Proper Tool is installed and is operational. The Kuraki Boring Mill that was also at Proper Tooling is installed now and operational.

Sean O'Neil
President Cutting Edge Precision Services

Health and Wellness



Choosing the right foods can help reduce the risk of several diseases, maintain a healthy weight, improve body functions and more — and that even small changes can help.

Health Observances include:

- Fruit and Veggies—More Matters Month
- National Cholesterol Education Month
- Whole Grains Month

Support these awareness initiatives with:

- How to Eat Healthy FastGuides®
- Eating for a Healthier Heart
- Managing High Cholesterol FastGuides®

Eat Right and save Money Doing It

Watch with Webinar on Eating Right on a Budget

Training & Development



Congratulations to Todd Puchovan and Alex Koles for Graduating the Michigan Applied Technical Training (Apprentice) program.

The Human Resource team is working together and partnering with the MI/SC/TN and local colleges on many training programs to assist Proper in our initiatives of Growing our Own Talent as we are "Committed to Your Success!"

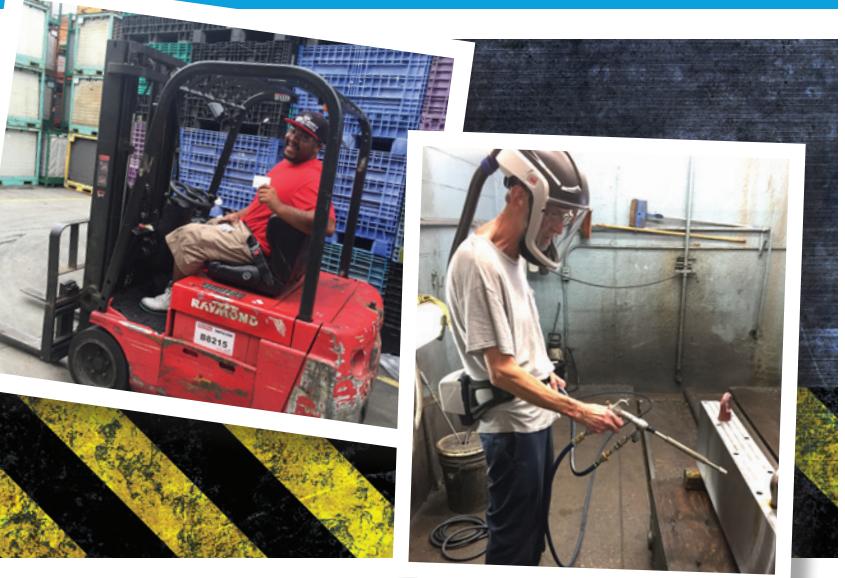
In recent events, Michigan's HR team has partnered with MI Works for their continued efforts recruiting and training programs through Macomb's Workforce & Continuing Education team. After merely 1 week of partnership, and the success of the certification programs they offer, we hired 3 associates within our Warren facility. Coupled with the certificate and the Veteran Boot camp, we believe this will be a successful partnership for recruiting and training candidates.

Going a little south to our South Carolina facility, in early 2015, the HR team partnered with Tri-County Technical College (TCTC). After the partnership was established, we quickly set up the Apprenticeship program for Mold Maker and are currently in the processes of reviewing a program for Process Technicians, Quality Engineers, as well as Maintenance Technicians. We also established another partnership with MSSC Goodwill program in which we obtain candidates whom are going through a SCMC (South Carolina Manufacturing Certification) which are required to have 100 hours of On-the-Job training, to date this program has been a successful tool in growing our own talent. For further information about the certificate please visit: <http://www.sctechsystem.edu/scmc/about.htm>.

Last but not least, is our Tennessee facility, HR Manager, Amber Maiani, has meetings scheduled to search and establish an education/training facility for further advancement opportunities for our newly added proper associates to be able to enroll in a certified Department of Labor Apprenticeship Program. Stay tuned for further information.

If you would like to know more about the training programs Proper has to offer please email us at HR@propergroupintl.com. HR values the opportunity to speak with you, hear your goals, and see how we may line them up with our advancement opportunities.

Safety and Hot Topics



Throughout the past few months, there have many improvements to providing Safety in the facilities.

Global Harmonized System ("GHS") has been implemented/updated at all facilities in the United States, Canada is next on the Agenda. All associates are in the process of being trained to the Hazard Communication ("HAZCOM") Safety Standard. For detailed information on GHS please visit: <https://www.osha.gov/Publications/OSHA3636.pdf>. It is a requirement for all secondary bottles to have proper labels at all times, if your containers do not have a label, see HR immediately. The label to the right, must be on all secondary containers.

All Proper computers and Kiosk(s) have the "SDS" logo for access to all of the Safety Data Sheets. Should you have a new chemical introduced into the workplace please send the Safety Data Sheet to your HR contact, so we may update the system, as needed.

Lock Out/Tag Out ("LOTO") there has been MANY fatalities in the industry of injection molding. Lock Out/Tag Out the Injection Molding Presses before working in and around the press. https://www.osha.gov/OshDoc/data_General_Facts/factsheet-lockout-tagout.pdf

Safe Practices: Steven Washington, Proper Polymers Anderson, is a perfect example of SAFETY, when approached by Kim Miller, HR in SC, he had his forklift certification valid, seat belt, and his safety glasses on. Thank you Steve for thinking SAFE!

In the news for LOTO:

2014- "The machine was left in automatic mode while the employee was inside, and another employee cycled the machine," the report says. The mold closed on Russell Scharenbroch, fatally crushing the husband and father of six on June 27, 2014 – Plastic News

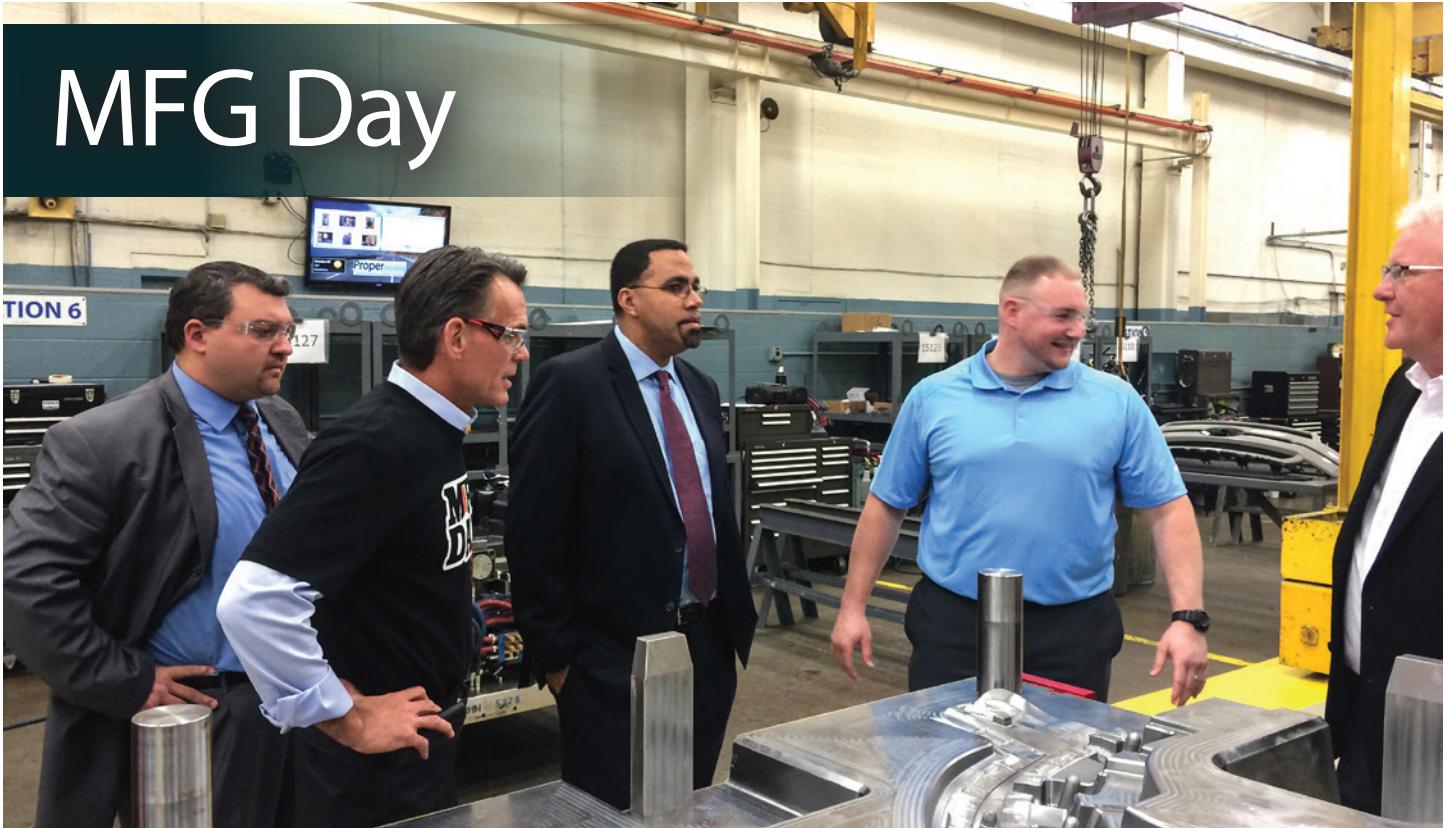
2016- "On June 27 — two years to the day after Sharenbroch's death — another worker was killed under circumstances that sound hauntingly familiar. A Lapeer man died during "operation of a large injection molding press" at Delta Tooling in Auburn Hills." --Detroit News

Proper would like to remind everyone to THINK SAFE!

If you see someone not working safe, ACT; do not turn your heads, it is everyone's responsibility to commit to safety. Proper rewards all locations who have safe practices and procedures with the Safety Lotto Bonus program, year to date total spend is \$9,590 for all facilities. We want to Congratulate Proper Polymers Pulaski facility for 155 days' accident free (as of 8/12/16)!! Keep up the great work and commitment to Safety!

HR Hot Topics:

1. 2017 Open Enrollment is around the corner with an effective date of January 1, 2017!
 - a. Stay tuned and watch your email addresses you have provided for Benefit Enrollment dates at each location, should you need to update your email address or would like a member of your household to make the decisions and enroll, please contact HR Dept. at 586-779-8787 or HR@propergroupintl.com
 - b. We will be continuing with our paperless initiatives; all enrollments will be complete through the desktop icon "HR Portal"
2. 401(k) TransAmerica
 - a. As a continual reminder, please visit <https://propergroup.trsretire.com>
 - b. Follow them on Facebook and YouTube for education webinars and updated information
 - c. DO NOT FORGET, update your Beneficiary, there is billions of dollars in unclaimed monies in the United States



On October 7th, Proper celebrated Manufacturing Day (#MFGday) Friday morning Proper Tooling had the honors in welcoming the following:

1. Secretary John King, US Government Department of Education,
2. Henry Yanez, State Representative (25th District)
3. John Chirkun State Representative (MI House of Rep)
4. Sander Levin, U.S. Representative, Congressman
5. Mark Hackel, Executive, Macomb County, MI
6. Michael DeVault, Superintendent, Macomb Intermediate School District
7. Adam DeLay, Constituent Services Representative, Office of US Senator Debbie Stabenow (MI-D)
8. Joe Petrosky, Dean of Engineering and Advanced Technology, Macomb Community College (MCC)

Proper Associates in the roundtable:

1. Robert Yunke
2. David Verbeke
3. AJ Brys
4. Kevin Kowalski
5. Amber Maiani
6. Mark Rusch

as we conducted an onsite tour followed by roundtable discussion dedicated on partnerships with Education and Training and Development; a "Grow your own talent" mentality.

<http://www.freep.com/story/news/education/2016/10/06/education-secretary-john-king-detroit/91608106/>

<http://www.detroitnews.com/story/news/local/michigan/2016/10/07/education-secretary-warren-encourages-training/91742188/>

<http://www.macombdaily.com/article/MD/20161007/NEWS/161009710>

<https://www.whitehouse.gov/the-press-office/2016/10/06/fact-sheet-new-progress-resurgent-american-manufacturing-sector>



Proper "U"

Proper "U" encompasses and signifies all of our internal training programs.

"U" symbolizes the Umbrella of Training Programs, University to educate and mentor, and YOU as the Associates.

Our mission of Proper "U" is to develop, enhance, and broaden our associates' knowledge of their everyday tasks and to grow our own talent.

Proper "U" Goal and Objective: To hire, train, and educate the workforce on skilled positions starting from the basic knowledge of manufacturing or those whom have no experience in manufacturing. Coupled with the Apprenticeship Program, the Design Mentorship Program was developed to really hone in on the skill set that is difficult to find in today's job market for our technical positions.

Please contact your Human Resource Administrator for further information on the training programs proper has to offer.

Proper Polymers Pulaski

The TN Apprenticeship program has been submitted to Department of Labor for final review to implement into our company.



Proper Group International

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