

PEDDI NEWS

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Carl G. Peddinghaus

Carl G. (Anton) Peddinghaus
Chief Executive Officer | Peddinghaus Corporation

True or False: Menke is Actually Retiring

As FABTECH Atlanta 2018 has come and gone, I must admit I have mixed emotions. I always love seeing our customers and industry partners – but this year's show will be the last for our long-time Peddinghaus colleague/friend. Yes, it's true, Lyle Menke will be retiring January 6th, 2019.

It was over 28 years ago when I came to the USA and started my Peddinghaus career in Bradley. As a very young man, I had a lot to learn. Fortunately, there was a solid team to counsel and guide me. Lyle was one of those "teachers." At that time, he was Customer Service Manager and schooled me on the importance of every single Peddinghaus customer. As time progressed, Lyle was promoted to VP of Marketing. Ten years later, I still remember the astonished look on Lyle's face when I told him about my idea for a customer appreciation event at our trade shows.

"Don't worry, Lyle, it will be great!" I assured him, even though we had NEVER attempted anything like this before.

Show Time Became Fun Time

Thus, in 2008, the Anton and Lyle Show was created! Here are only a FEW of the highlights...

- Travelled around the world in a hot air balloon... and landed in time for "flash mob" in St. Louis
- We rode horses on stage in Dallas...yeah, that was against the law
- Were drum majors for a marching band in Orlando...almost rolled a \$30,000 Harley off the stage and into the crowd
- Composed AND sang an original song at Wildhorse Saloon in Nashville...correct, we are NOT musicians

Just wait, there's more...

- Sponsored a customer karaoke contest in San Antonio...with a surprise "Peddi-Brief" unveiling!
- Drank scotch with Mike Ditka before his FABTECH Chicago presentation...his best speech ever! (in our opinion)
- Floated on a "magic beam" in the Magic Kingdom...magically disappearing with a beer in hand
- Shared the stage with some of the best entertainers in the world...Dana Carvey, Jay Leno, Jeff Foxworthy, Larry the Cable Guy, David Spade, Terry Bradshaw, Lou Holtz, Captain Phillips, Steve Forbes, Theo Epstein, Sean Spicer, Ron White, Jimmy Connors...the list goes on and on
- In 2008, we hosted the most memorable Oktoberfest Celebration event ever...Munich, Germany really can't compare with a Peddinghaus party!

Anton & Lyle: Original Odd Couple

Each event required weeks of planning and thousands of details had to be addressed. But it was in those preparation times that Lyle and I grew a special bond. Without speaking, we both understood each other. I know that a 6'5" German and a 5'5" senior citizen may look a little funny

on stage together. But this scenario created the perfect pairing for mutual respect, admiration and entertainment. I taught Lyle to be bold and he taught me to be grateful. It turns out that this unlikely stage duo of Anton and Lyle created the "perfect Peddinghaus partnership"...and one helluva of a good time!

Life Goes On...with the Next Peddi-Generation

Many of you know that 2018 has been a year of transition for Peddinghaus Corporation. Besides Lyle, many of our long standing employees have retired this year, including Michael Sharp, Steve Farrow, Norm Becker and Rick Miller. All were seasoned employees with 25+ years of experience.

It's hard to say goodbye, but life does go on, and there is work to do. Contrary to what you may see in the media, there are still many young, hardworking people looking only for a chance to contribute.

Our succession plan has worked well and I can assure you that the next generation of Peddinghaus employees will pick up where the retirees left off. They are true professionals: well trained and eager to serve our customers. If you haven't heard already, you will soon know the names of Todd Cordes, Elliott Bass, Meg Hamann, Darren Hawkinson, Ben Smith and Megan Grant among others.

We will miss the old guys, but I can assure you that the next generation of Peddinghaus managers are up to the challenge and will work hard for you.

The American economy has been soaring, and confidence is running high in the metal fabrication industry. Join me to toast our future successes, and bid farewell to one of Peddinghaus' iconic old guys...Lyle Menke ■



Peddinghaus Gets Peachy in Atlanta

Thank You for Visiting Booth #B7867

FABTECH returned to Atlanta, Georgia for North America's largest metal forming, fabricating, welding and finishing event. Hosted by the Fabricators and Manufacturers Association (FMA), the annual exhibition filled the halls of the World Congress Center with cutting-edge technology. The world-class exhibition hosted over 1,500 exhibitors in anticipation of 35,000 attendees flooding thousands of square feet of industry innovations.

Live inside the Peddinghaus booth, attendees sampled exclusive fabrication technology including the Advantage-2 high speed carbide drill line. It is one of the fastest solutions on today's market for structural steel. Proven to process between 100-150 tons of structural steel per week on average (this can fluctuate based on section size and complexity of operations) the Advantage-2 is ideal for medium

to large fabricators, or fabricators with specialty applications. Capable of drilling, milling, countersinking, tapping and scribing on all 4 axis of material, this machine is perfectly versatile. Add a tandem Peddinghaus band saw system for further production advantages.

The all new Anglemaster-663 angle and flat bar processor was a crowd pleaser. As accurate as measuring material can be, the patent pending Roller Feed drive and measurement system from Peddinghaus is designed to improve accuracy even greater than before. See pages 12-13 for more information on the new king in angle processing technology.

Attendees also saw the HSFDB-C plate processor in action. Powerful drilling technology, unmatched material handling efficiency and superior design make the HSFDB-C the competitive edge of fabricators all over the globe. This true steel workhorse has capabilities for drilling, plasma cutting, oxy-fuel cutting, scribing, countersinking, milling, tapping, hard stamping and bevel cutting.

The high-speed heavy plate processor boasts a 12-station tool changer, beveling torch and can process material up to 4" (100 mm) thick!

Completing booth #B7867, the PeddiAssembler robotic welder powered by Zeman, the 335-DGA band saw and even Peddinghaus' original Raptor 3D CAD/CAM software!

Product Lines:

- High-Speed Drill Lines
- Heavy Plate Lines
- Angle/Flat Lines
- Thermal Cutting Lines
- Layout Marking Lines
- Robotic Welding Lines
- Structural Band Saws
- Ironworkers
- Shot Blasting Lines
- Material Handling Systems
- Profile Turning Systems
- Raptor 3D CAD/CAM Software



FABTECH Mexico 2018 | Mexico City, Mexico



May 2nd - 4th, 2018 Peddinghaus returned to Mexico City, Mexico for the primary gathering for leading metal manufacturers in Latin America. Over 13,000 attendees and 575 exhibitors roamed 140,000 net square feet of show floor. Looking back at a successful FABTECH Mexico, Peddinghaus proudly exhibited new technology and live demonstrations in booth #3543.

The Peddi XDM-630 was a crowd pleaser! The two-in-one machine revolutionizes steel

fabrication with high-speed carbide drilling, miter sawing, 4-axis scribing, tapping, countersinking, slot milling and cope milling with no stop in production. This technology is the first of its kind to combine a true multi-spindle CNC beam drill line and a structural band saw into one space-saving solution.

Also live inside the Peddinghaus booth, attendees witnessed demonstrations of the 405-DG miter cut band saw and the classic PeddiMax No. 1

ironworker. Don't miss Peddinghaus at FABTECH Mexico 2019 at the Cintermex International Convention and Exhibition Center in Monterrey for more industry innovations from the global leader in structural steel fabrication technology!

To learn more about Peddinghaus in Latin America, contact Jose Cavazos: jose-cavazos@peddinghaus.com



MTA Vietnam 2018

July 3rd - 6th, 2018 the Saigon Exhibition and Convention Center in Ho Chi Minh City was hot with manufacturing solutions. The international precision engineering, machine tools and metalworking expo hosted 452 exhibitors from 22 countries along with over 11,000 industry professionals. The Peddinghaus booth was a centerfold for the latest information and tips on top-notch structural steel industry innovations.

To learn more about Peddinghaus in Asia, contact Ian Maxwell: ian-maxwell@peddinghaus.com



BIEMH Spain 2018

An impressive 40,000 attendees gathered this year in Bilbao, Spain for the bi-annual BIEMH show May 28th - June 1st. A hub for all new developments in the machine tool industry, BIEMH is considered the third most important trade show in Europe in its specialty. The Peddinghaus booth featured none other than the classic line of the most reliable ironworkers, setting international standards since 1903.

To learn more about Peddinghaus in Spain, contact Oscar Mane: omane@peddinghaus.es

To learn more about Peddinghaus in Europe, contact Roland Jones: roland@peddinghaus.co.uk



SteelFab, Inc. located in Charlotte, North Carolina has recently installed their SIXTH Peddinghaus BDL-1250/9D. SteelFab employees and Peddinghaus field service technicians teamed up to complete this installation! They know the drill.

MERRILL

FABRICATOR SPOTLIGHT | Scoring Steel Success



From humble beginnings in small town Merrill, Wisconsin, Roger Hinner Sr. purchased a tiny 4,800 square foot dirt floor workshop in 1962. Located perfectly in the Midwest, Merrill Steel (aka Merrill Iron & Steel, Inc.), served their local farming community fabricating steel storage bins. As business quickly grew and the agricultural market became more demanding, the team at Merrill Steel shifted from storage bin fabrication to the fabrication of all things agricultural including equipment for large-volume drying and processing operations.

In the mid 70's, the company moved to a new facility that was designed and built by the family owned and operated business. In the 80's, adding structural steel and platework to the operation led to expanding the facility three times to meet its growing needs. In the 90's, Merrill Steel outgrew its facility and, under the direction of Roger Hinner, Jr., Rick Hinner, Gary Rajek and Karen Rajek, they purchased a 355,000 square foot manufacturing facility just a half hour down the road. Opening themselves up to new opportunities beyond compare in heavy structural work, the operation grew to be one of the biggest fabricators in the state.

Today, Merrill is comprised of two fabrication facilities both in Schofield, Wisconsin and in Springfield, Missouri, totaling a whopping 615,000 square feet. With capabilities to deliver large-scale structural projects all across the

STEEL



United States and Canada, heavy plate fabrication, blasting and painting, it is safe to say Merrill Steel has come a long way since steel storage bins. Now well into its second generation of management, with the development of the third generation underway, the founder's grandson, Greg Rajek, has successfully taken over as Plant Manager at Merrill's facility in Springfield, Missouri.

"Merrill has a name for quality." Greg states

proudly. "Our products fit when it arrives on site. We've perfected this over the years and have done an excellent job of making quality one of our core values. That has been ingrained into every aspect of the company. It's important to build things right the first time."

Skilled Welders Equal MVPs

As the steel construction market within the United States continues to increase, the industry-

wide shortage of skilled labor continues to grow. CNC technology in structural steel has allowed most fabrication processes to become automated. Since their origination, Merrill Steel has been able to successfully integrate new Peddinghaus technology year after year that allows for automation in drilling, coping and marking processes.

"Skilled labor is becoming harder and harder to find. As it happens, we will continue to purchase



equipment so we can keep our most talented craftsmen on the tasks that they do best. Machines like the PeddiWriter are becoming as necessary as a drill line or a plate line, it's a piece of equipment that you just have to have to remain competitive."

Laying the Foundation with Peddinghaus

With company growth happening in the blink of an eye, it was time for Roger and his team to investigate CNC machinery in anticipation of higher levels of production for their Schofield facility. Among their initial arsenal of Peddinghaus machinery came the BDL-1250/9A drill line and an ABCM-1250 thermal cutting and coping line. Five years later, operations in Springfield were supplemented with an FDB-2500 plate processor.

Greg explains, "The FDB was originally purchased at our facility in Wisconsin. When we purchased the HSFDB-B plate processor in Wisconsin, we chose to move the FDB down to Missouri. Prior to that we only had burntables here, so when the FDB came here it was a night and day difference. Before the FDB, we had to cut the plates on the burntable and either drill it with a mag drill or

punch it, so it took too many extra handling steps. A few years later, we added a HSFDB-B here and that made a huge impact in production as well."

As larger and larger projects started coming in, Merrill expressed a heavy need for more plate processing capacity. Now with one HSFDB-B high speed plate line at each facility, Merrill Steel is able to complete all plate production in-house. According to Greg, "Right now we have a job where we have to burn holes and then mill them out because the parts have such a large



diameter hole. We've never had the capability to do anything like that before purchasing the HSFDB-B. It allowed us to be able to do the work in-house and not have to hire out."

Plate lines aside, the classic Peddinghaus Advantage-2 drill line exceeds expectations daily at Merrill. The Advantage-2 is the backbone of beam production in the shop, providing Merrill with a wide array of drilling and milling capabilities and speeds. Greg confirms, "Before the Advantage-2 we were limited on the sizes we could drill and mill, but with it, that limitation goes away. We are able to quickly mill and get a nice, complete, round finish." After drilling processes, there may be a need for miter cutting or even beveled weld preparation. Since the purchase of the ABCM-1250 copier, Merrill Steel has significantly reduced their labor burden and man hours. "With the ABCM, you improve your accuracy which results in delivering a higher quality product." Greg exclaims, "With the size beams we're running through our shop, we have to get it perfect, there's no room for error."

Today, 11 total Peddinghaus investments have enabled Merrill to fulfill their company values and remain a trusted name within the steel industry. Greg states, "We are satisfied with the build quality of the Peddinghaus machines. A steel shop is not a very forgiving environment, it's not always clean, it's hot and you're pushing through heavy material all day every day. With Peddinghaus, you know what you're buying and you know that given these conditions, it will still get the job done."

Rookie of the Year, the Steel Beam Assembler

Rick Hinner and the team at Merrill in Schofield have recently welcomed their newest member to the fab shop, the Zeman robotic steel beam assembler. With benefits including faster production, increased throughput, labor savings and better weld quality, the appeal of the robotic welding system has certainly evolved in the structural steel industry.

The Zeman system is designed for robotic



assembly and welding of “ready to erect” steel structures. With the ability to perform tack welds and finish welds 360° around material, Merrill is capable of increasing annual throughput while reducing labor costs. This intelligent system consists of a laser scanner for measuring sections, equipped with a measurement system to detect positional dimensions and tolerances of the material. Once assembly and welding of a beam is complete, the finished structure is ready for quality check and requires no further processing.

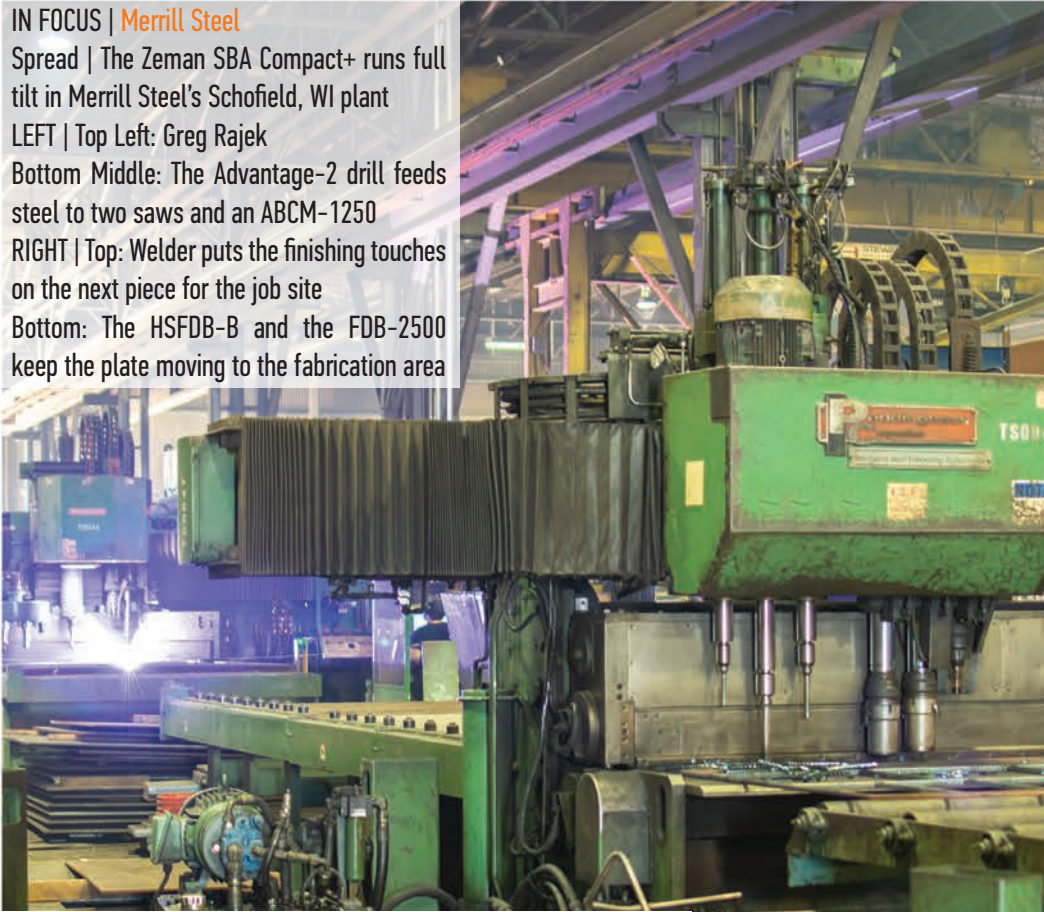
“We really enjoy the 24-hour service and support. A machine is a machine, maintenance is necessary and inevitable as well as the learning curves during installation. Having that support there at all times where Peddinghaus can remote in and help you troubleshoot, diagnose your problem and then solve it so the machine can get back up and running is extremely valuable to us,” says Greg.

Merrill Tackles Future Home of the Raiders

In March of 2017, Raiders football fans received the big news that their beloved team would be relocating to the high-energy city of Las Vegas, Nevada. A recent groundbreaking ceremony on the job site kicked off ground assembling and the first steps of erection for the soon-to-be massive structure. Reigning as the largest job in Merrill Steel history, the New Las Vegas Stadium, the Future Home of the Raiders is to be comprised of 27,000 tons of steel.

“Field fixes cause delays and they cost money, and we do everything we can to avoid that.” Greg continues, “We build massive structures that are supposed to stay together, we don’t build it to take it apart and fix it.” ■

IN FOCUS | **Merrill Steel**
Spread | The Zeman SBA Compact+ runs full tilt in Merrill Steel’s Schofield, WI plant
LEFT | Top Left: Greg Rajek
Bottom Middle: The Advantage-2 drill feeds steel to two saws and an ABCM-1250
RIGHT | Top: Welder puts the finishing touches on the next piece for the job site
Bottom: The HSFDB-B and the FDB-2500 keep the plate moving to the fabrication area



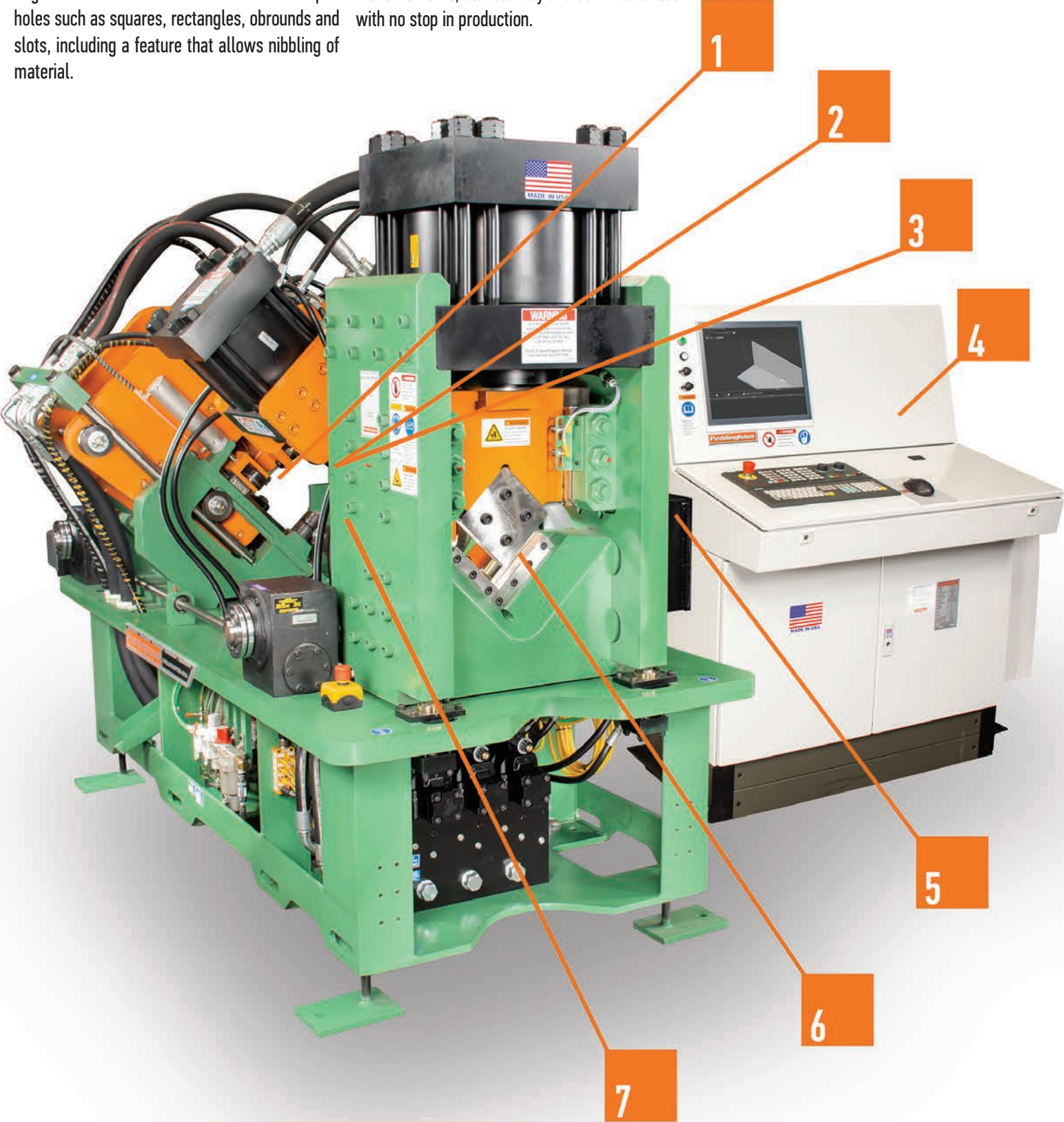
“...you know that given these conditions, it will still get the job done.”



Meet the New King in Angle Processing Technology

Serving as the industry's benchmark for productivity, the Anglemaster-663 caters to today's fabricators' need to automate punching, shearing and marking for angle and flat bar. A new and improved punch tool design allows for quicker and easier tool changes. The Anglemaster-663 can accommodate shaped holes such as squares, rectangles, obrounds and slots, including a feature that allows nibbling of material.

The Anglemaster-663 employs a misting feature in order to maximize shear and punch tool life during operation. A redesigned patent-pending Roller Feed flexes with the material, maximizing contact with the angle and flat bar and eliminating errors. No inconvenient gripper feeds, no manual measurements, all accuracy and continuous feed with no stop in production.





1 PATENT PENDING ADVANCED ROLLER FEED MEASUREMENT

- Redesigned Roller Feed measurement adheres to deviations in material
- Continuous feed with no stop in production
- Capable of 150 FPM X-axis material positioning speeds
- Most accurate measurement system in the steel industry



2 OPTIONAL SIGNOMAT PART STAMPING

- 36 station (number/letter) part marking press
- Marks at a rate of approximately 1 character per second
- Characters are 1/2" in height and stamped at a depth of 1/32"



3 OPTIONAL SIGNOSCRIPT CARBIDE SCRIBING

- Versatile carbide marking station allows for marking of any shape, number or character
- Mark at multiple depths or sizes without tool change for desired visibility after coatings processes



4 ADVANCED PEDDINGHAUS CONTROL

- Robust and intuitive user interface
- Allows for modern remote assistance and web cam technology for fast and real-time troubleshooting
- Siemens 10 year spare parts guarantee



5 MINIMUM QUANTITY LUBRICATION (MQL) SYSTEM

- Lubrication system for punches and shear
- Eco-friendly vegetable oil based lubrication dramatically extends shear and punch life



6 SINGLE CUT SHEAR

- 320 ton single cut shear
- Accurately shear angle and flat bar with ease



7 TRIPLE TOOL PUNCH PROCESS

- 100 ton punch cylinder
- Punch up to 3 different tool shapes or sizes per leg of angle in a single pass through the machine
- New and improved punch tool design allows for quicker and easier tool changes



CALDER STEWART

Fabricator
Spotlight

Leaders in Construction



It's a scene that is very typical in a family business...

The owner's 9-year-old son routinely stops by the company shop facility every day after school. One day, he watches in amazement as a powerful flatbed truck arrives carrying a huge wooden crate. The crate was gingerly off-loaded with an overhead crane and gently placed on the shop floor. The shop foreman slowly removed the front panel and sides of the crate revealing a bright, shiny new object - a giant green machine! The youngster gazes in awe at this new technological wonder that towers over him.

This was 9-year-old Peter Stewart's first introduction to Peddinghaus. The delivery of a Peddinghaus 210/16 mechanical ironworker, "the punch and shear machine," as he fondly calls it. That same ironworker remains in

operation at Calder Stewart Construction to this very day. "Typical Peddinghaus equipment," Peter expresses, "Ruggedly built, ultra-reliable and running to this day."

Steel for Sheep

Peter's father, Bruce Stewart, and his partner Lance Calder started business in 1955 with an old Ford vehicle, a wooden trailer and \$100 in working capital - but they had a vision. Their location in Milton, New Zealand (South Island) was ideal for sheep farming, and the sheep business was booming!

A local farm client asked these entrepreneurs if they could build him a barn. But not just any barn, a STEEL barn to withstand weather conditions on the South Island. Faster than a New Zealander can shear a sheep, the agricultural industry

witnessed the first steel building used strictly on the farm. The rest is a history of innovation in the pre-engineered steel construction industry.

From a Barn Shroud to a Digital Cloud

Fast forward to 2018. Calder Stewart Construction is a far cry from its modest beginning. The firm currently employs over 400 with a sparkling new manufacturing facility and headquarters located just outside Milton. However, this isn't just any shop/office facility. These uniquely designed structures contain one of the most modern, technologically advanced facilities in the world. Our software friends in the Silicon Valley, USA would be a bit envious of this ultra-modern structural fabricator. Calder Stewart's high-tech facility also happens to be located in an idyllic rural location south of city of Dunedin. It is hard



for one to believe that a thriving structural fabricator is located among the forests, rolling hills and grassland of this pastoral setting.

Today, Calder Stewart Construction is known for providing turnkey solutions for construction projects. They do it all - land acquisition, development, design, concrete work, structural steel fabrication and the final construction. "We hand over the keys to the building when the project is finished," says Peter with a smile.

The Shop Vision & The Purchase Justification

Let's take a look into this modern facility and explore the vision of Calder Stewart management in developing a structural steel fabrication shop for the 21st century. According to Peter Stewart, "The justification process for purchasing equipment for this new shop boiled down to these factors:

1. Provide automated production flexibility, due to future labor availability (welders & fabricators)
2. Ability to process multiple projects at one time
3. Grow the business with capacity to process heavier profiles
4. Increase overall production efficiency"

Christchurch Earthquakes Changed Everything

Disaster struck the NZ South Island at 12:51pm on February 22nd, 2011. A magnitude 6.3 earthquake caused severe damage in Christchurch and Lyttelton. The earthquake's epicenter was near Lyttelton, just 6 miles (10 km) southeast of the central business district in Christchurch. Although not as powerful as the magnitude 7.1 earthquake on September 4th, 2010, this earthquake occurred on a shallow fault line that was close to the city, so the violent tremors were particularly destructive.

Structural engineers surveyed the damage, and soon determined that structural steel framed buildings would be a preferred method of construction moving forward. With a more ductile and flexible frame design, structural steel soon became the material of choice for the rebuilding of Christchurch.

Robust, High-Tech, Quality... Describes Peddinghaus Machinery

With an eye to the future, the Calder Stewart team examined the potential of a new Peddinghaus system. "Ultimately our decision was justified by projecting the additional volume of structural steel which could be

fabricated in one year," says Peter, "Four words kept popping up - productivity, efficiency, accuracy and reliability. And the one word answer was Peddinghaus," said Peter, "The equipment is high-tech, but is robustly designed and built. We know it will be productive for a long, long time."

"Don't forget, geographically, we are located near the southern tip on the South Island of New Zealand. We have the customer service assurance of Peddinghaus' 24-hour call center. We use it regularly for questions or clarification of machine items. The Peddinghaus technicians are available when we are - even though we are on the other side of the globe!"

The most important key to success in Calder Stewart's new fabrication facility was the shop layout design and throughput capacity. "Our production management team worked closely with Peddinghaus for an effective shop layout. Keep in mind, our goal was to run multiple projects simultaneously with capacity to run heavier profiles," advised Peter. "With our new Peddinghaus equipment, Calder Stewart TRIPLED production in one year using the same people."

Peddinghaus Shop Layout Expertise Proves Invaluable

The key was the material handling layout with strategic positioning of the roller conveyor lines and quiet glide beam cross transfer components.

Running dual conveyor lines enable Calder Stewart to easily move profiles from one location to another without delaying production in other areas. “We were finally able to run the shop with reduced use of overhead cranes,” said Peter. The Peddinghaus Advantage-2 drill was positioned with a DG-1250 mitring band saw at the head of the production line, adjacent to the steel stockyard. Thus, new profiles could be loaded quickly and easily.

Dual conveying lines could direct the members requiring coping, notching or bevel cutting to the Ocean Liberator coping system. The coped profiles could then be transferred back to the main conveyor line which would process through the PeddiBlast shot blast clean system. Peter gleamed, “Our workers really appreciate the clean steel. It’s easier to weld, paint and just makes a better quality product for our customers.”

Plate Detail No Longer a Problem

The addition of the HSFDB-B plate processor solved multiple issues. The company had been outsourcing plate components to various outside firms and were at their mercy for timely deliveries. Late delivery would interrupt production plans and compound the fabrication process in other parts of the shop. Overall, the HSFDB-B costs less to operate than outsourcing and other previous methods. Peter adds, “The HSFDB-B simply makes our projects more profitable.”

“We Couldn’t Be Happier”

“At Calder Stewart, we do what we say we are going to do, that’s key to our success,” says Peter. “My experience with Peddinghaus is the same - they have always exceeded our expectation level. We couldn’t be happier.”

Peter Stewart has spent his life building a lucrative family business on the South Island of New Zealand. He has a simple invitation for you, “Come to New Zealand, we are at the bottom of the South Island, and we love to have visitors!”



“With our new Peddinghaus equipment, Calder Stewart **TRIPLED** production in one year using the same people.”



IN FOCUS | Calder Stewart
Spread | Production runs through Calder Stewart’s HSFDB-B, DG-1250, Advantage-2 and PeddiBlast machines

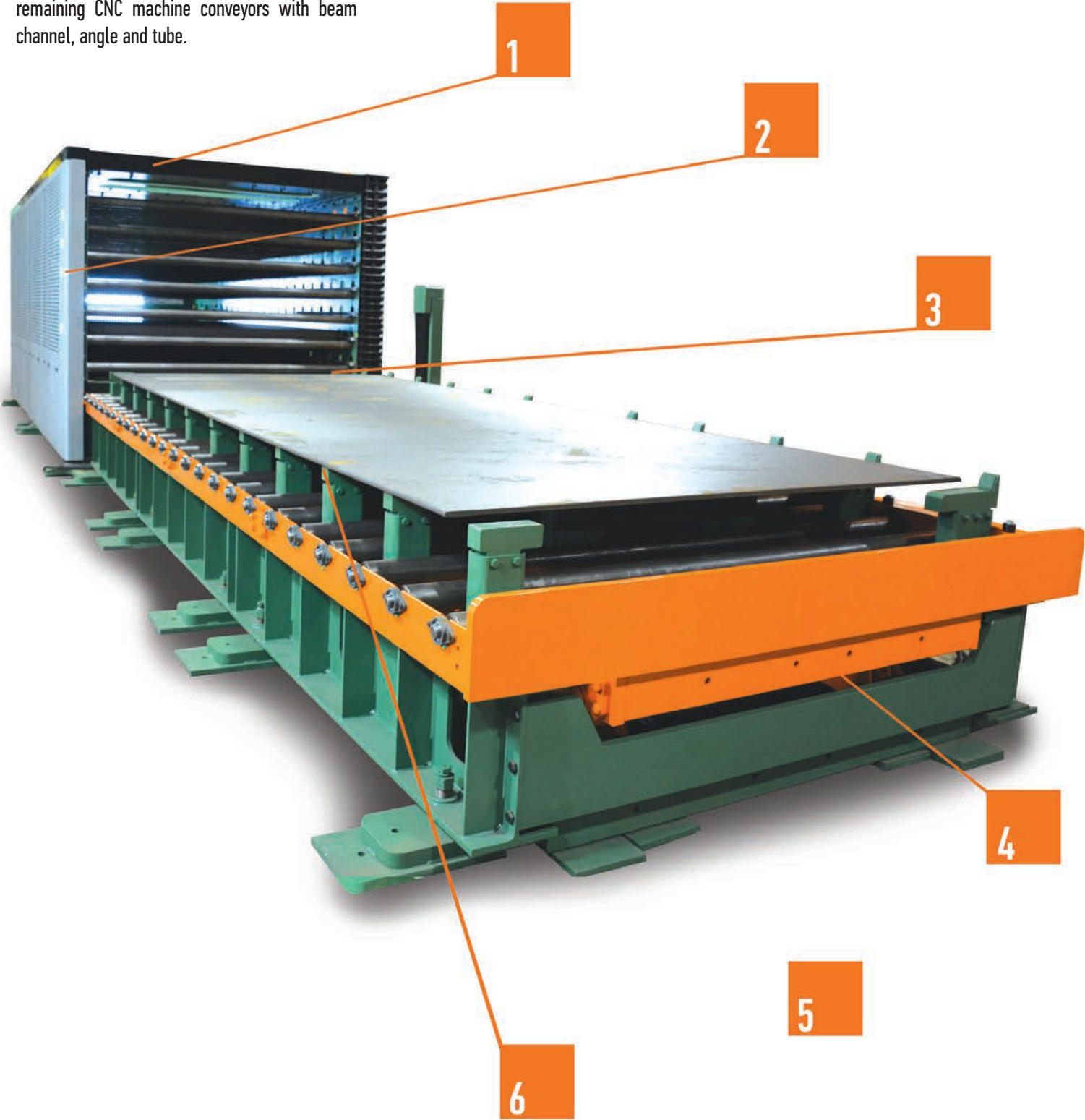
LEFT | Top Left: Peter Stewart
Top Middle: Welders put the finishing touches on freshly shot blasted steel
RIGHT | Top: The HSFDB-B marks plate for fabrication
Bottom: Peter Stewart stands in front of Calder Stewart’s first Peddinghaus ironworker



Rethinking Plate Storage

Introducing another industry first from Peddinghaus, the PeddiStacker-2500 elevated plate storage machine. Designed to store 6 plates at once and save you shop floor space, this system provides a savings of time and money by significantly decreasing crane and fork truck usage. Get a whole shift's worth of plate ready and allow the fork truck in the yard to load the remaining CNC machine conveyors with beam channel, angle and tube.

Material handling is critical in helping fabrication shops turn a profit, and the PeddiStacker-2500 will help achieve a higher level of continuous plate production and maintain a increased level of safety. Moving heavy plate can be hazardous, especially with cranes. Keep operators safe and secure by letting this machine handle the heavy stuff.





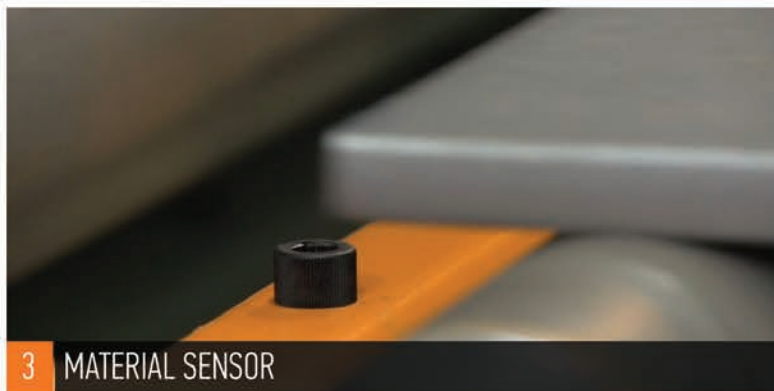
1 MACHINE HOUSING

- A heavy-duty storage cell accommodates the storage of 6 plates at 1 plate per level, while running an additional 7th plate
- The protective machine shell encloses moving plate, maximizing shop floor safety



2 INDICATOR LIGHTS

- Lights on the outside of the machine at each level indicate to the operator which levels are already occupied with material



3 MATERIAL SENSOR

- As the rollers feed the plate into the selected plate storage location, electrical sensors detect when the material has fully passed into storage



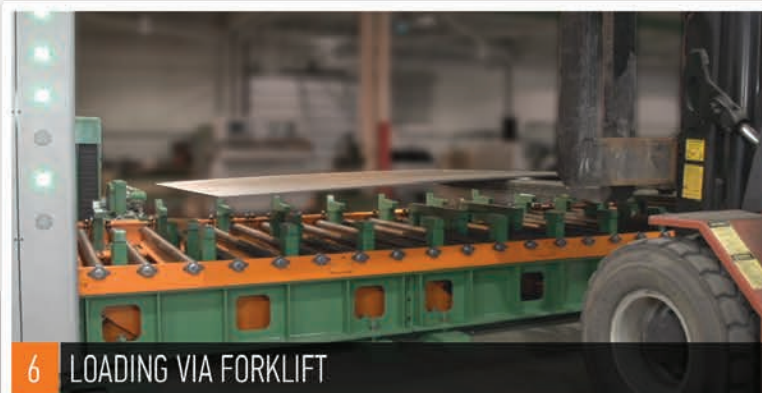
4 SCISSOR LIFT

- The unique scissor jack plate elevator design allows loading from both the datum and non-datum sides of the machine
- Allows for smooth and level plate lifting



5 CONTROL SYSTEM

- The PeddiStacker-2500 can be operated from three interfaces: touchscreen, Pendant hand control and machine control
- A Siemens Simatic HMI touch screen computer console clearly displays the status of machine storage locations, and contains only graphic symbols for simplicity in operation
- Placed in line with a Peddinghaus plate processor, the PeddiStacker-2500 can also be controlled directly from the plate machine control



6 LOADING VIA FORKLIFT

- The PeddiStacker-2500 can be loaded via forklift from both the datum and non-datum sides of the machine
- Less crane usage, less material handling and less stopping to load material into the plate machine, leads to an increase in shop productivity

PARTNERSHIP SPOTLIGHT

HGG

Sparking A Powerful Peddinghaus Partnership

Today, the exchange of knowledge and enthusiasm for teamwork is crucial to company growth in many ways. Good partners who think alike and have the same core company values redefine excellence and set higher standards in the industry. Partners as of 2016, Peddinghaus and HGG have discovered that each company is quite similar in terms of culture. Jack Kistemaker, Technical Director at HGG explains, "In working with Peddinghaus, we have seen that they have a great network and the same company philosophy, so we just fit together. We are a market leader so we also want to do partnerships with other companies who are market leaders, who are the best." It all began with a machine in search of the perfect industry application. Thus, the PeddiBot-1200 was born.

In the steel industry, the term 'Powered by HGG' is often recognized. "We are the best at thermal cutting, so in working with Peddinghaus we have learned a lot about where a drill line and where a saw line fit into the steel fabrication process. It is most important to discover how you can combine them and how you can make them work together in one efficient process. Engineering Director at HGG, Steven Janssen confirms, "That's where our partnership truly fits."

World Leaders in 3D Profiling

Located directly in the stunning landscapes of the Netherlands, HGG is internationally recognized for their knowledge and expertise in 3D profiling, as well as their capacity to develop and build cutting-edge 3D profiling machine solutions. Comprised of a group of people who have a true passion for technology, the team at HGG strives to achieve nothing less than excellence in the solutions they provide to their strategic partners and customers throughout the world. "Finding really good craftsman becomes harder and harder. That is why it is our job to automate the process for the fabricator. Wiebe Wiersma,







Global Sales Manager at HGG declares, “It is up to us to minimize throughput time, increase the quality of the product, and minimize the cost for the fabricator.” By partnering with Peddinghaus, HGG has successfully taken their first leap into the structural steel market, and they are just getting started.

Powered by HGG, Serviced by Peddinghaus

The partnership between Peddinghaus and HGG has grown very quickly, and is only at the starting point. You might ask, how does this partnership benefit me, a steel fabricator? The answer is simple. Together, Peddinghaus and HGG remain at the cutting-edge of their specialty in the steel fabrication industry. Well-established in each expertise, we combine to double our efforts in bringing no less than production excellence to your shop. Two companies with a common

goal of providing our customers with an unparalleled competitive advantage.

By offering the only 24-hour technical service center in the industry, our partners receive an elite level of support. Peddinghaus employs an expansive team of field service technicians throughout the globe, although 95% of telephone calls are resolved without the need for an on-site visit. Through the use of remote diagnostic software as well as webcam troubleshooting, we strive to ensure Peddinghaus installations such as the PeddiBot-1200 are properly maintained and keep your shop producing a level of throughput that exceeds expectations.

Joining Forces at FABTECH

At FABTECH Chicago 2017, Peddinghaus unleashed the PeddiBot-1200 robotic thermal processor into the world of steel fabrication.

Now, more and more PeddiBot-1200s are being installed throughout North America. The PeddiBot-1200 is a revolutionary machine that does it all. Minimizing overhead and eliminating human error, this machine performs burning and integrated layout marking functions on the top flange, bottom flange and web of material. The PeddiBot-1200 employs a state-of-the-art triangulation scanning system which completely eliminates the need for material probing before processing.

“The most important thing in cutting steel is that you always have deviation in material.” Jack goes on, “One thing that HGG has done from the beginning is build technology where we can first measure the material and know the shape of the real material. The actual material at times will be different from what is shown in the CAD system. We make sure our machines can adapt to all parameters and all shapes, so



IN FOCUS | HGG

Spread | The culmination of the partnership between HGG and Peddinghaus, the PeddiBot-1200

LEFT | PeddiBot-1200 manufacturing in full swing

RIGHT | Top: Steven Janssen, Jack Kistemaker and Wiebe Wiersma

Bottom: HGG headquarters, where 3D thermal cutting is perfected



at the end it will fit." This machine logic is how the PeddiBot-1200 is able to adjust the path of the torch during the cutting process. With the information from the initial scan, the robot maintains the true path across the material's surface. No more lost burns, no more lost time and no more lost money.

The PeddiBot-1200 rules production time tables by keeping the measuring process as unobtrusive as possible to the overall program being operated. Steven states with pride, "We measure the whole profile before cutting it, so when we cut it we know exactly where it is. So even if the material is not straight, we cut it straight."

Coping Becomes a Commodity

In the steel industry today, some people still avoid coping or they do it by hand. This process

can be very difficult for fabricators, which is why the PeddiBot-1200 was designed to increase ease in copes, cuts and holes. According to Steven, "The main thing the PeddiBot-1200 does is all kinds of coping; flange thins, bolt holes, rat holes and all different kinds of copes. When it comes to ratholes, plasma cutting too close to the flanges can become an issue, which is why HGG tilts their torch and cuts it close to the flanges. Coping will become a commodity when we look closely at the processes that link the machine to the fabricators business process, and this step is being made today." The PeddiBot-1200 is setting new standards for the steel fabrication process. Whether it is being integrated in an existing drill/saw production or being used as a fabrication center, state-of-the-art robotics supply precisely accurate parts for fit-up on the erection site.

A Flash into the Future

Peddinghaus not only builds machines; they build partnerships. These relationships with global industry leaders provide steel fabricators with the latest advancements in machinery, software and support. With partners such as HGG, we combine structural forces to bring fabricators the most powerful solutions like the PeddiBot-1200 robotic thermal processor. Together, a common goal is to ensure that today's structural fabricators are the most efficient and profitable in the world. "I think the partnership with Peddinghaus and HGG will grow. Both of our companies want to be the market leader, we want to produce the best machines." Jack explains, "It is most important that we both keep our eyes open for challenges in the market where we see possibilities to help our customers. We will see and support steel constructors to improve their production processes." ■



ROLLER FEED REDESIGNED

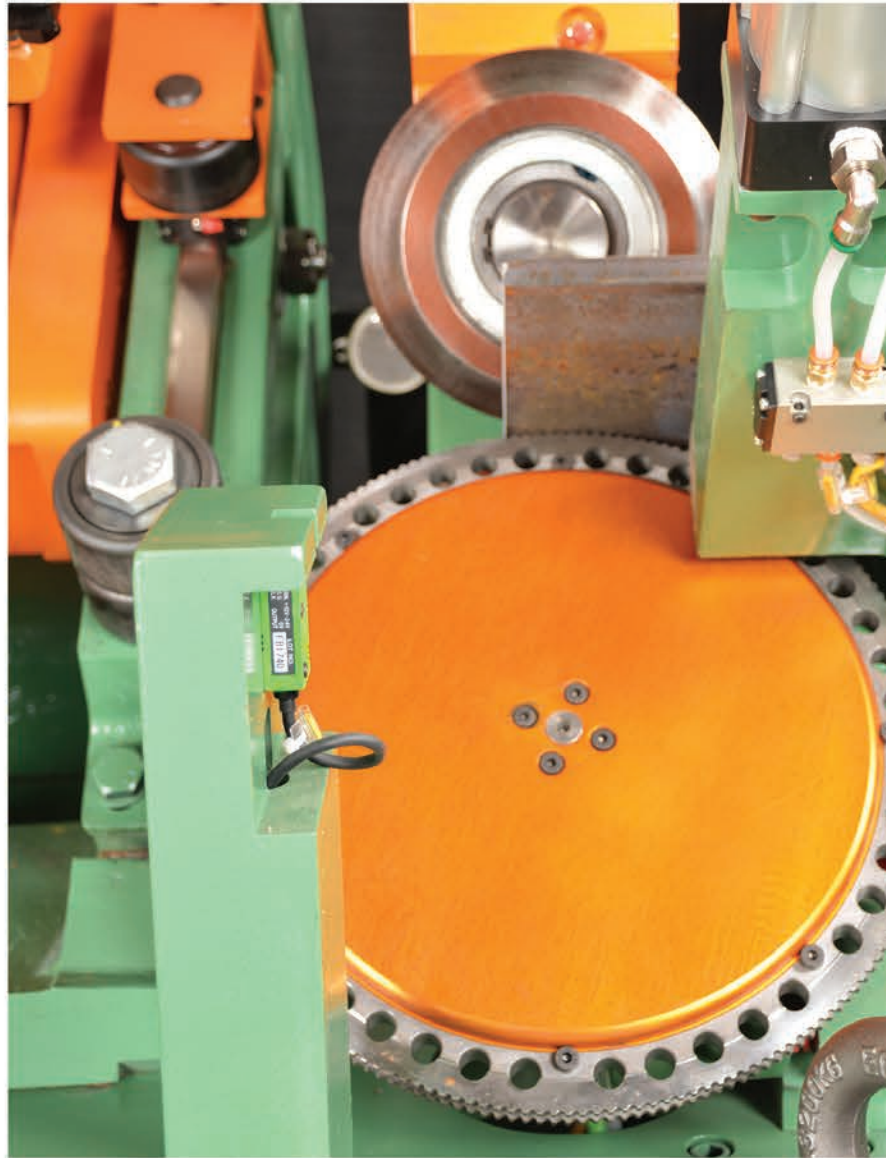
As accurate as measuring material can be, the Roller Feed drive and measurement system from Peddinghaus is designed to improve accuracy even greater than before. By positioning two encoders on the machine, steel can pass through piece after piece with no stop in production.

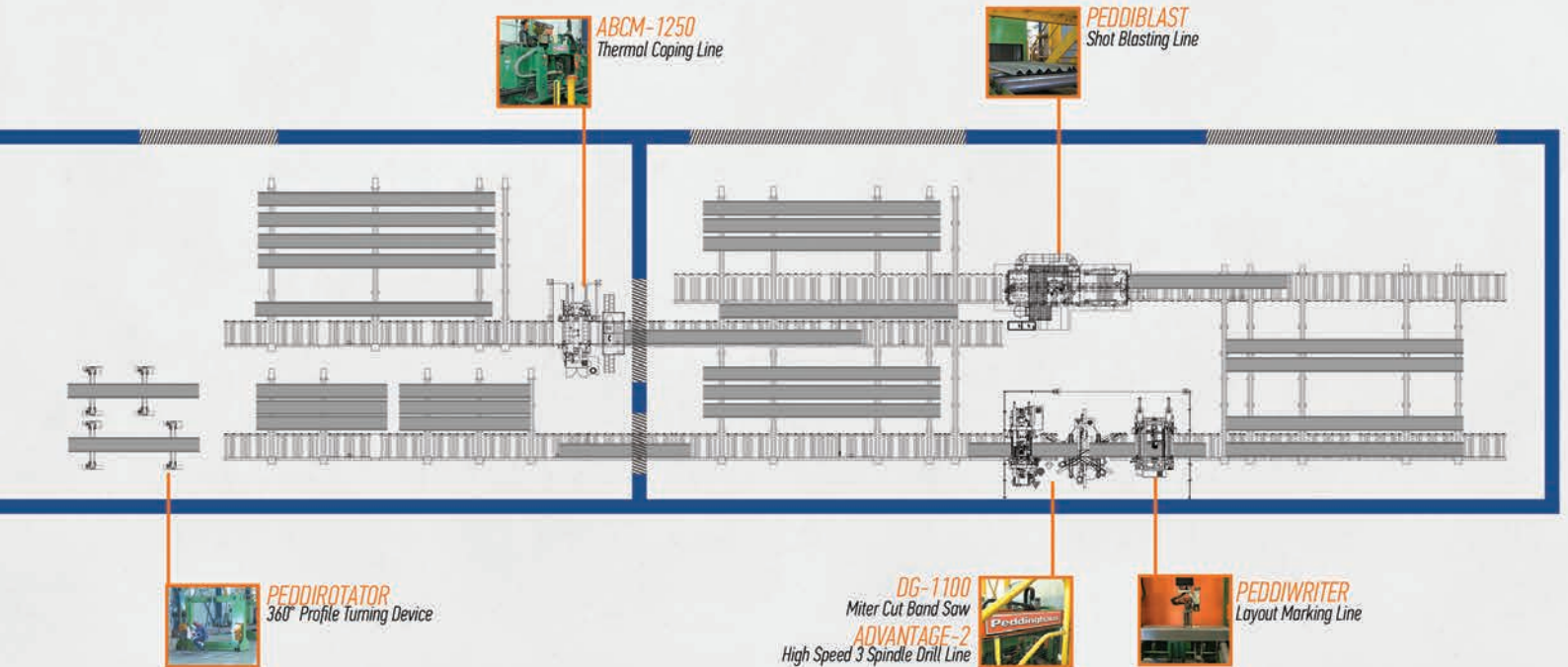
Material deviation is a common challenge in any steel fabrication shop. The pieces programmed within the BIM (Building Information Model) model and the pieces rolling through your CNC machines are never exactly the same. This is why the Anglemaster-663 truly shines with its Roller Feed measurement system.

The first measuring disc with encoder is positioned at the entrance of the machine to measure distance for precision processing, while an additional measuring wheel assembly is located on the exit side of the machine where measurement continues as the profile passes through the end of a program.

This new and improved patent pending Roller Feed is designed to flex with the material in order to ensure a constant roll and an accurate measurement given deviations in material. This maximizes contact with long parts, eliminating more errors than ever before.

The Roller Feed drive system utilizes a maximum material positioning speed of 199 FPM, and is just one of the many features that the Anglemaster-663 boasts to ultimately increase throughput in your fabrication shop.





We all know that material handling with a crane can turn into a bad habit. Each and every time material is picked up with a crane, production is slowed down. By using a crane to handle material from machine to machine, you have taken that crane away from another process in the shop. Crane handling stifles productivity. Luckily, Peddinghaus has its very own systems layout engineering team here to help.

Our in-house systems layout engineering team is dedicated to ensuring customers are getting the most out of their CNC investments. When it comes to a Peddinghaus installation, every shop is unique, and deserves special consideration. Our team sees it all, new equipment integrated in existing systems, outside material handling systems, existing buildings with tight spaces, brand new shops stretching thousands of square feet and even facilities comprised of multiple sheds. Peddinghaus machines are incredibly modular. A perfect example of this lies in the on the south island of New Zealand at John Jones Steel, located in the vibrant city of Christchurch.

Beginning with a PeddiBlast shot blasting system, John Jones is able to blast material before processing for a smooth finish. A PeddiWriter followed by an Advantage-2 drill/saw tandem system allows for layout marking, drilling and sawing operations in one seamless station. Following processing here, a cross transfer conveyor system allows the material to be coped at an ABCM-1250 thermal cutting line if necessary. With the capability of unloading material at any stage, John Jones sees the benefit of true flow through the fabrication process. This system has given the team at John Jones the capacity to produce an annual tonnage of up to 8,000 tons per year.

Frank Van Schaijik, Managing Director of John Jones Steel located in Christchurch, New Zealand explains, "The ideas that I got for layouts were for the most part from visiting other companies around the world, and just being very observant. Back in my father's day, when he was visiting the states he would come back and talk about the flow of steel.

We would discuss what we should do to become efficient and how to make the steel flow better through the workshop.

The layout for the new workshop was discussed many times with Peddinghaus' systems layout engineering team, and I think we got to about 20 versions of the layout, but I was in no hurry to build the new shop yet. We were in the middle of planning it and staging it, so I was able to visit more Peddinghaus customers to see what they had in their layouts, and that led us to where we are today."

Give Peddinghaus' systems layout engineering team a call at 1 (815) 937-3800 to learn the secrets of shop floor layout success today!





Peddinghaus' Raptor 3D CAD/CAM software is designed to help fabricators program faster and more accurately than ever before. Even more than this, there is total flexibility in the types of machines that can be programmed with this software.

Raptor software connects CNC machines to initial structural designs by providing full compatibility with modern BIM (Building Information Modeling) programs. Parts can be further modified, inspected or created within Raptor before being exported to machinery or other computer workstations. Within the iDSTV+ and DSTV+ Import and Export Module, Raptor gives fabricators the ability to export batch nested files to the machine for operation. Batch nesting parts from Raptor's inventory couldn't be easier. After users nest the minimum distance between the machine and the saw, there are options to minimize scrap, tool changes and maximize flow through machines this will strengthen the shop's performance.

**WATCH THE VIDEO TO LEARN
ALL THINGS RAPTOR!**
WWW.PEDDINGHAUS.COM/RAPTOR/VIDEO

MEET JOSH - Peddinghaus' Assembly Technician

With high business cycles comes high production, demanding deadlines and daily deliveries. 14-year Peddinghaus employee, Josh Wenzelman, knows this trend all too well. Josh has served Peddinghaus as an Assembly Technician since 2004, and it is safe to say that he knows the green machines like the back of his hand.

As a seasoned Assembly Technician, Josh handles a wide array of machine-related tasks at Peddinghaus. Each day, he follows company protocol in building the next made-to-order machine. Josh explains, "It is important to put out a good product, make sure everything is running correctly and make sure everything is easily accessible to work on. My job is to maintain quality and our high standard for machinery in the industry."

Josh's duties are not only limited to the Peddinghaus campus. In times of need for an expert or an extra hand, Josh may travel to global destinations to assist Peddinghaus customers with machine installations or major repairs. Josh expresses, "I'll never forget the time I was asked to travel to a customer in Greece. There was a group of us there together for about 15 days, and outside of our work tasks, we were able to explore once-in-a-lifetime cities like Athens."

Other types of travel for Josh include conquering the treacherous terrain of a Peddinghaus trade show booth installation. The pre-show floor environment is unforgiving with nothing but a time clock and a light at the end of the tunnel. With a limited amount of install days, Josh provides the team with expertise and a helping hand in seeing all machines are up and running by day 1 of the trade show. Peddinghaus prides itself on live show floor machine demos, and it wouldn't be possible without team players like Josh.

"My favorite part about working at Peddinghaus is the people that I work with, they're all genuine, fun guys." Exclaims Josh, "Even in all the other departments, everyone is always kind and always helpful. Overall, we've got a great company culture all around and I wouldn't want to change that." ■



5

PEDDIWRITER

LAYOUT MARKING LINE



The PeddiWriter does the work of a team of layout personnel, and is capable of eliminating the tedious tasks involved with manually laying out a profile. Plasma marking torches mark simultaneously on two separate surfaces.

4

ADVANTAGE-2 / DG-1100

HIGH SPEED DRILL/SAW TANDEM SYSTEM

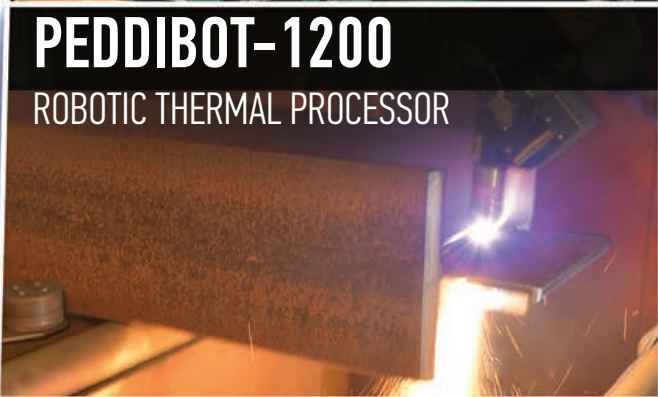


The Advantage-2 drill line with its powerful material handling support, meticulous measurement capabilities and high speed designs is ideal for a tandem installation with a DG-1100 miter cut band saw.

3

PEDDIBOT-1200

ROBOTIC THERMAL PROCESSOR

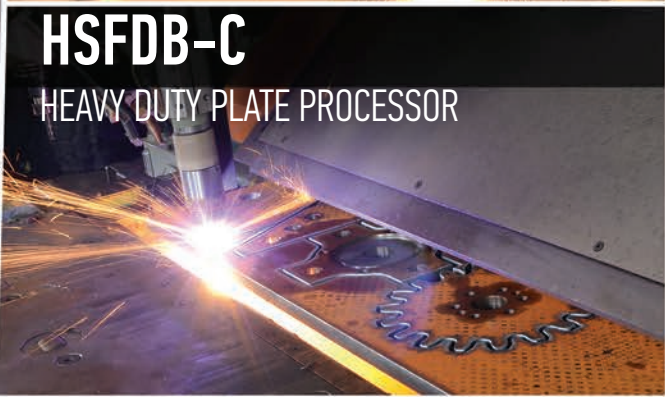


This advanced robotic technology takes innovation further with a scanning system that measures deviations in material and then adapts the robot's cutting path to ensure perfect fitting - no probing necessary.

2

HSFDB-C

HEAVY DUTY PLATE PROCESSOR



Equipped with the ability to drill, mill, tap, countersink, deburr, plasma cut, oxy-fuel cut, bevel cut and mark using the latest in tooling technology, the HSFDB-C is ultra-efficient in all heavy plate fabrication processes.

1

A PROFITABLE SYSTEM



The glue that holds all the CNC machines together is the material handling. Seamlessly connect each machine and process materials with conveyors and cross transfers for a truly profitable system from Peddinghaus.



Sippel Steel located in Ambridge, Pennsylvania processed this massive 109 ft long beam on their Peddinghaus BDL-1250/9D drill line, with better than 1/16" accuracy.




DRILL



MACHINE Peddi XDM-630
High Speed Drill Saw Combo

PROFILES Beam / Channel / Angle / Tube / Flat


PROCESS Drill, Mill, Tap, Countersink, Scribe, Miter Saw



MACHINE Advantage-2
High Speed Carbide Drill Line

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Drill, Mill, Tap, Countersink, Scribe



MACHINE BDL-1250/9D
Heavy Duty Carbide Drill Line

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Drill, Tap, Countersink, Scribe




PLATE



MACHINE HSFDB-C
Heavy Plate Processor

PROFILES Plate

PROCESS Drill, Mill, Tap, Stamp, Countersink, Scribe, Plasma Bevel, Oxy-Fuel Bevel



MACHINE HSFDB-B
Heavy Plate Processor

PROFILES Plate

PROCESS Drill, Mill, Tap, Countersink, Scribe, Plasma Cut, Oxy-Fuel Cut



MACHINE FPB-1800
Plate Processor

PROFILES Plate

PROCESS Plasma, Scribe, Punch



THERMAL



MACHINE PeddiBot-1200
Robotic Thermal Processor

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Plasma, ArcWrite



MACHINE Ring of Fire
360 ° Thermal Processor

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Plasma, ArcWrite



MACHINE ABCM-1250
Oxy-Fuel Burning

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Oxy-Fuel



ANGLE



MACHINE Anglemaster-HD
Heavy Duty Angle Line

PROFILES Angle / Flat

PROCESS Shear, Punch, Scribe, Stamp



MACHINE Anglemaster-663
Angle Line

PROFILES Angle / Flat

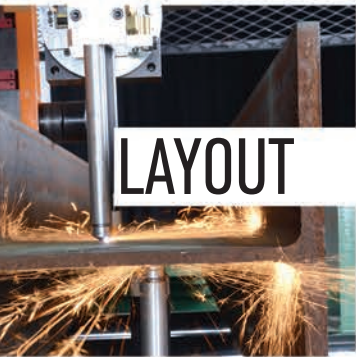
PROCESS Shear, Punch, Scribe, Stamp



MACHINE AFPS-643/Q
Angle Line

PROFILES Angle / Flat

PROCESS Shear, Punch, Scribe, Stamp



LAYOUT



MACHINE PeddiWriter
Layout Marking Line

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS 4-Axis ArcWrite



SOFTWARE



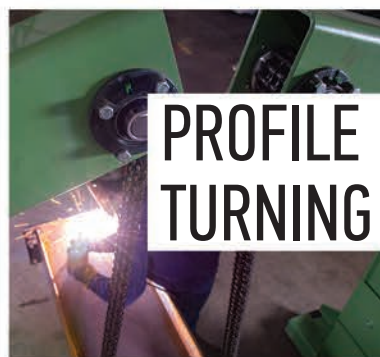
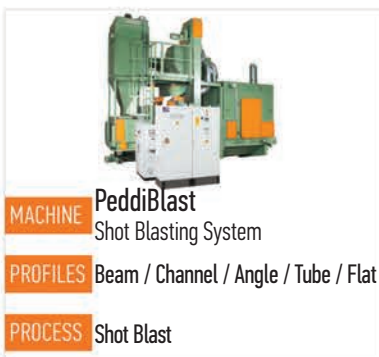
MACHINE Raptor
3D CAD/CAM Software

PROFILES Beam / Channel / Angle / Tube / Flat

PROCESS Modify, Inspect or Create Part Programs



BLAST



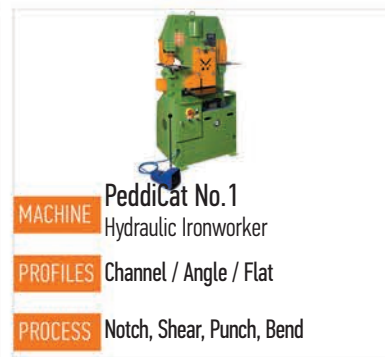
PROFILE TURNING



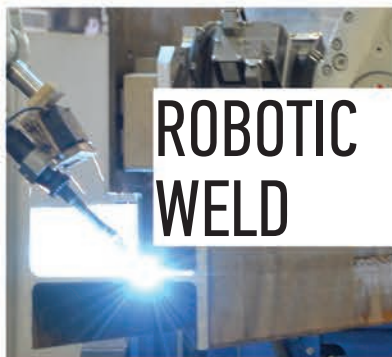
SAW



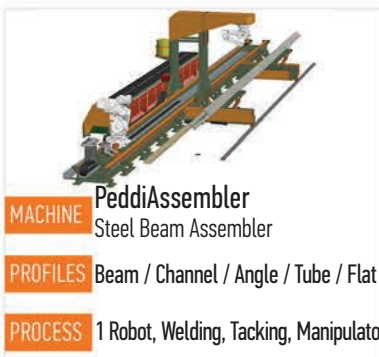
IRON- WORKERS



SMALL SAWS



ROBOTIC WELD





Lyle Menke
CSO | Peddinghaus Corporation



Dear Steel Fabricators,

Yes, it is true, I am going to retire from this industry at the end of this year. My “official” date is January 6th, 2019, which is my 68th birthday. I have been employed by Peddinghaus Corporation for 37 years. I vividly remember my first day back in November, 1981. Fabrication shop automation was virtually non-existent. Tape measures, soap stones, hydraulic “portable” punches and magnetic drills were the tools of the trade.

Yes, we had the internet in 1981... we called it an encyclopedia

Wow, have things ever changed in the past 37 years! Today’s technology starts with complex software functions never dreamed possible in the 80s. Robotic technology on the fabrication shop floor? You’ve got to be kidding me! Run all beam production (drill, tap, scribe, mill copes and saw to length) on one machine? Get serious! Yep, we’ve come a long way, baby! The entire steel construction industry has been transformed before my very eyes. And you know the best part? Peddinghaus was the major player in this technology transformation – and I was there for the ride.

Being Along for the “Peddi-Ride”

From the first structural drill line to the first thermal coping systems to the first plate

processing lines with punching/drilling/ marking/plasma cutting – Peddinghaus was the innovator! Oh yeah, don’t forget new band saw technology, and incorporating multiple technologies into one processing machine – like carbide drilling, milling, tapping, countersinking, scribing...Peddinghaus was always at the forefront.

The best part of retirement is the ability to reminisce about your business career. And I have been so fortunate to have experienced a glorious working life at Peddinghaus.

A Member of the Family

It all starts – and it all ends – with the people. I was hired by Anton’s father, Dr. C. U. Peddinghaus who took a chance on a young guy with little steel fabrication experience. Working for a family-owned company is uniquely fulfilling. Decisions are always made for the next generation. In today’s modern business vernacular, fellow employees are often referred to as your “work family”, because you spend 8+ hours per day with them. At Peddinghaus, my colleagues always treated me like family with plenty of joking and daily fun but always mixed in with hard work, problem solving, and genuine care – for our customers and each other.

Family is important at Peddinghaus. Because families are nurturing teachers, who exhibit patience when you fail, and reward you when you succeed. I am forever indebted to the Peddinghaus family and my Peddinghaus Corp

colleagues throughout the years...each of you are exceptional and extraordinary...I’ll never forget any of you.

Building Today’s Skyline...How Cool is THAT?

For 37 years, I have been an active member of the steel construction industry. We all get tied up in our daily jobs in the steel industry, but take a look at the big picture, and see what we collectively accomplish. Together we create some of the most beautiful structures in the world; true testaments of steel craftsmanship! High rises, bridges, stadiums, medical centers, warehouses – every steel structure we build will stand for decades or even centuries.

We all hear about “glamorous careers” in Silicon Valley or Wall Street, but in my opinion working with algorithms or hedge funds can never compete with creating steel buildings and bridges. Structures are monuments to our civilization, and the most recognizable objects in the world.

Thanks for the Beautiful Ride

I have been truly blessed with the opportunity to work side by side with some of the most talented and dedicated people in the world! Steel Fabricators and Peddinghaus People. It’s been a wonderful trip and a truly beautiful ride...for every minute, hour and day of those 37 years.

Thanks for joining me ■

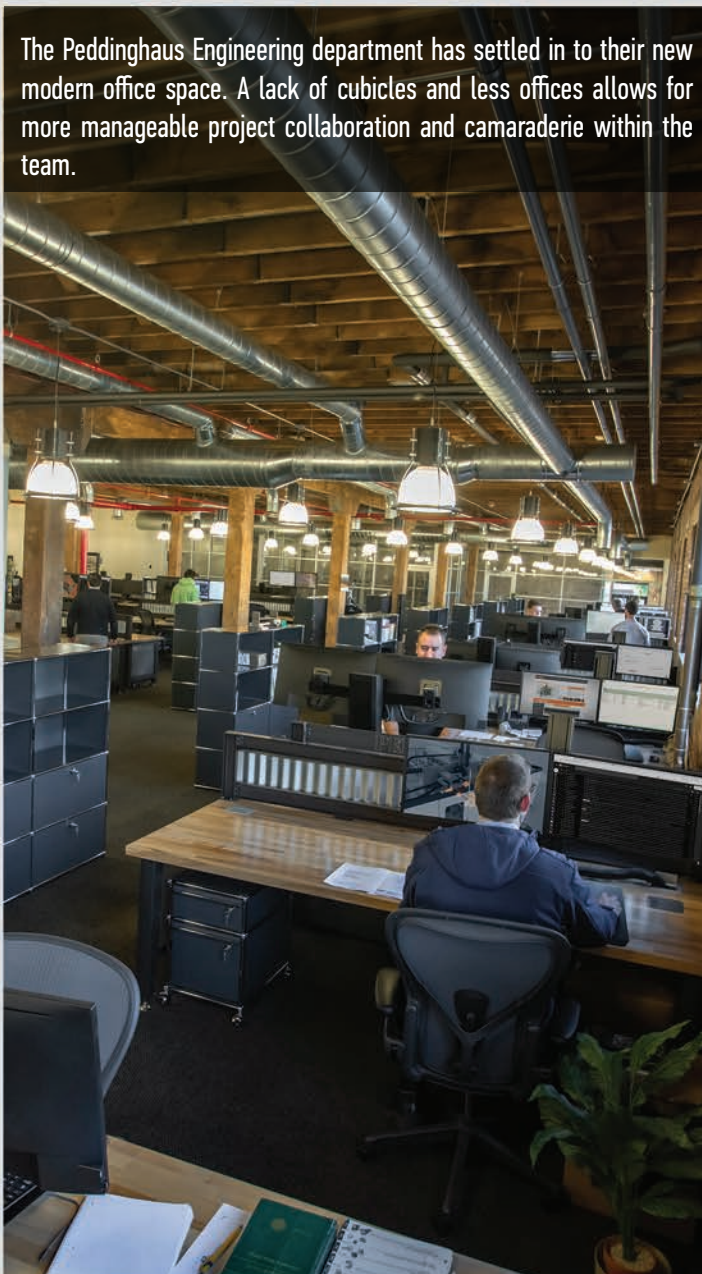
Lyle Menke

PEDDICOMIX



PEDDI-IMPROVEMENTS

The Peddinghaus Engineering department has settled in to their new modern office space. A lack of cubicles and less offices allows for more manageable project collaboration and camaraderie within the team.



MILESTONE ANNIVERSARIES:

The Power of Peddinghaus is in its People!

July 2018

15th - Joe Westfall, PeddiCafe, 5 Years
 22nd - James Williams, Engineering, 5 Years
 28th - Gerald Howard, Inside Service, 10 Years

August 2018

4th - Megan Hamman, Business Office Manager, 5 Years
 5th - Larry Bergquist, Engineering, 5 Years
 22nd - Greg Carpenter, Systems Layout Engineer, 30 Years!
 29th - Matthew Eckhoff, Assembly Technician, 5 Years

September 2018

17th - Sherri Funk, Accounting, 10 Years
 23rd - Carl Bushey, Assembly Technician, 10 Years

October 2018

14th - Jake Grant, Assembly Technician, 5 Years
 15th - Bill Ritchie, Maintenance Technician, 5 Years
 18th - Edgar Mack, Checkout Technician, 5 Years
 26th - Ben Smith, Production Control, 10 Years

November 2018

10th - Dan Jarvis, Engineering, 10 Years

December 2018

9th - Brian Miglin, PeddiCafe, 5 Years
 15th - Steve Stageman, Engineering, 15 Years
 16th - Bryon Bauer, CNC Machinist, 5 Years
 17th - Brian Lundmark, CIO, 15 Years

Retirements:

Wayne Dehay, Field Service Technician - 19 Years
 Lyle Menke, CSO - 37 Years

Congratulations to our Peddinghaus family of employees on achieving these milestone anniversaries and retirements. Thank you for your many years of exceptional service for Peddinghaus!

PRSRT STD
U.S. POSTAGE

PAID

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JOLIET, IL

UP AND COMING

November 6th - 8th

- FABTECH
- Atlanta, GA - USA
- Booth #B7867

North America's Largest
Metal Forming, Fabricating,
Welding and Finishing Event

January 14th - 17th

- SteelFab UAE
- United Arab Emirates
- Hall 4, Booth #1130

The Middle East Trade Show
for the Metal Working, Metal
Manufacturing and Steel
Fabrication Industry