



POWER MOVING FORWARD™

**UPTIME
MATTERS.**

From ProPulse's production to yours,

**LINE DOWN
IS NEVER
AN OPTION.**

ProPulse innovates, engineers and
manufactures custom hose solutions
for high-pressure fluid conveyance.

(563) 583-4758 | www.powermovingforward.com





CONTROLLED PERFORMANCE

"On time shipment is extremely critical to my R&D department. ProPulse delivers."

—Ravuth Theam, Maxon



LONGEVITY

Longevity imparts certain, undeniable facts. In an era where parts manufacturing has moved overseas, those that have survived could only do so by being lean and delivering consistent value.



TECHNICAL EXCELLENCE

"Whenever we're looking to make changes to our products, we always feel we are getting direct answers from knowledgeable people at ProPulse."

—Shawn Dickinson, Tommy Gate



CONTINUOUS IMPROVEMENT

"ProPulse understands our needs and works with us to help reduce costs while maintaining product quality."

—Mark Eichhorn, Equalizer



POWERFUL PARTNERSHIPS

"ProPulse's team has done a great job of reaching out to us when there is a problem. We tend to remember that more than the actual issue."

—Aaron Mroczek, CLAAS

BEHIND THE HOSE AT PROPULSE

Curious and smart, ProPulse always find the best solutions to the challenges customers face.

Manufacturing +1.5 million custom high-pressure hose assemblies per year, ProPulse is one of the largest manufacturers of high-pressure hose in North America.

Whether it's providing an industry standard hose or developing a custom solution, ProPulse is committed to making you a satisfied customer.

Working with you to find the best solutions, as well as the right hose—ProPulse will provide technical hose experts to come

on-site to help with design and routing. By working together with your team, ProPulse creates a superior system that pushes fluids faster and more efficiently than ever.

When you tap the expertise of the "hose pros," you'll get great results at no additional cost. On-time delivery will keep you on track and the teams responsiveness will exceed your expectations.

Right-sized for quick action and reaction, ProPulse will be with you all the way, throughout

the process of developing new products and addressing your specific customers' needs.

Quarterly business reviews provide recommendations for value improvements—based on your history of demand and shipping—all of which you can access in real time with a state-of-the-art WebDirect ERP platform. They've saved numerous customers time and money by analyzing ordering patterns and buying habits while suggesting tweaks to streamline inventory and shipping.



AGRICULTURE



CONSTRUCTION



MATERIAL HANDLING



UTILITY



RECREATIONAL VEHICLES



TRANSPORTATION



NO SURPRISES IN CONTROLLED PERFORMANCE

On-time delivery and quality are automatic when information, documents and processes are controlled.

More often than not, it's the hose that makes or breaks that end goal. Yet sometimes, the hose doesn't get the respect it deserves. It does, however, at ProPulse.

ProPulse has devoted significant time and brainpower to formulate a series of procedures, technologies, and tests that

result in the highest level of quality and performance.

Allowing for easier tracking and replacement, lot and batch traceability are built into the manufacturing process of every single hose. ProPulse's proprietary PLC controlled automatic assembly lines and crimping technology are the most innovative and

advanced machinery in North America; they support the low cost of throughput with very high-quality results.

Beyond that, day in and day out, ProPulse is continually monitoring, documenting and controlling every aspect of the manufacturing and assembly process.

Receiving Inspection

ProPulse rigorously vets suppliers. Outside suppliers are subject to stringent visits and on-site visits. All incoming shipments are counted, verified, inspected and documented by in-house quality assurance technicians.



Hose Lot Testing

Every lot of hose manufactured at ProPulse is inspected, tested and recorded. Quality assurance technicians perform elongation, burst and leak tests to verify the hose is made to spec. In addition, technicians will diligently inspect the cover, layline, OD, ID and concentricity to ensure the highest-level of quality.



In-Process Auditing

During assembly, each work ticket requires first piece inspection, validation and approval before production can continue. Qualified personnel inspect the date stamp, crimp specs and hose length. Beyond that, technicians conduct out-of-box-audits where finished samples are selected at random to test.



Packaging Verification

After a box of assemblies has been packaged, box quantities, placards, labels, ties and overall condition is inspected and approved before advancing to the loading dock.



ISO9001:2015
CERTIFIED



LOT & BATCH
TRACEABILITY



CRIMPING
TECHNOLOGY



PLC CONTROLLED
AUTOMATIC LINES

AT PROPULSE, INDUSTRY STANDARDS
AREN'T GOOD ENOUGH

PAST, PRESENT & POWER MOVING FORWARD

Longevity isn't just company history—it's about knowing industry trends and where ProPulse's business is headed.

ProPulse—a Schieffer Company is backed by nearly a century of innovative and precise German design and engineering. They partner with vendors and OEMs from across the globe and network in diverse market groups.

ProPulse has done a comprehensive analysis of the market and identified your company as a leader among your peers. They know that what you do dovetails with their core strengths. ProPulse can't say that about every company, and frankly, they don't sell to just anyone. ProPulse is quietly confident that what they do better than anyone is support production

lines where there are concentrations of high volume, small bore hoses and know that is what you do.

Today, ProPulse is successful and growing, having doubled in the last five years. Their management team is focused on a detailed strategic planning process that considers and addresses both the internal and external factors and conditions that affect the business. Most recently, ProPulse invested in a new building with office space, warehousing and land for further expansion. Additional equipment was also purchased to increase manufacturing hose capacity by another 50%.

ProPulse works closely with customers to bring the best innovative products to the marketplace by:



focusing on customer satisfaction;



continuously improving products and productivity for the entire life cycle of the products;



responding rapidly to changing customer needs;



reducing total cost;



and helping each other take advantage of growth opportunities.

1998

Schieffer Co. International, L.C. was founded in Peosta, IA by the Schieffer family along with Managing Partner, Jeff Theis.

2005

Vertically integrated thermoplastic manufacturing—the first thermoplastic, yarn-reinforced lines were installed.

2009

Doubled overall output capacity.

2012

Became ISO 9001:2008 certified.

2008-2014

Schieffer Co. weathered the largest economic downturn since the Great Depression by **virtually doubling revenues**.

2015

Received **first patent** for UberFlex™.

Integrated the most automated assembly operation (P3/P4/P5) and advanced manual crimping machinery in North America.

Schieffer Co. International, L.C. **rebranded as ProPulse—a Schieffer Co.**

Overall **output reached 4.5 million meters** and 1.1 million assemblies.

2016

Cleanstream™ patent issued.

2017

ProPulse—a Schieffer Company became **ISO 9001:2015 certified**.

2018

The company invested in a new building and additional equipment making room for a **50% increase in overall hose manufacturing capacity**.

PROCESS CAPABILITIES

Let ProPulse take you on a power trip—their facility, technical excellence and equipment are simply impressive.

Two decades of partnering with numerous worldwide OEM's has built the foundation for ProPulse's sound business ethics, and the company consistently fulfills strict quality and delivery requirements.

ProPulse's team of qualified specialists delivers above industry standards. This wealth of experience is reflected in their:

- commitment to quality
- reputation for technical excellence
- integrity & business ethics

Peosta, Iowa, was chosen, in part, because it is in the geographic center of the country—allowing for efficient distribution in the heart of agricultural and construction machine manufacturing activity in Northern America.

ProPulse's manufacturing capabilities have a reputation for unsurpassed turn-around time; engineering, design and development; and prototype assemblies to help get projects off the ground quickly. In-house testing capabilities account for every dynamic test within SAE and EN norms.

ProPulse's evaluations focus on simulating environmental concerns to see how hose assemblies will perform under different types of stress. Invested heavily in the infrastructure and capital equipment needed to help OEM customers reduce downtime, increasing safety and reducing costly damages from failures is priority.

Consistent testing and retesting, in conjunction with audits and ISO 9001:2015 certification, assures the quality of their operation and products.



Burst Testing



Impulse Testing



ID/OD Concentricity Testing



Salt Spray Testing



Tinsile Testing



Hose Cleanliness Testing



Hardness Testing



Heat Testing



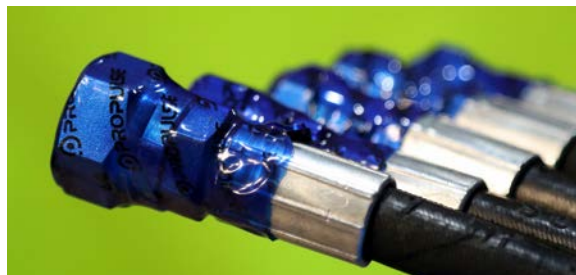
Abrasion Testing



Spectro Technology



Crimping Technology



Heat Shrink Capping Technology

ONE
SIZE
RARELY
FITS ALL

As industry changes, so do the needs of customers. A one-size-fits-all approach no longer works for everyone or every product. Engineering and design services teams will work with you to assess your individual needs and provide a custom solution that works for you. ProPulse offers a level of technical service far beyond that of most hose suppliers, tailoring our approach to your needs. In addition to industry standard items, ProPulse routinely designs and manufactures custom hoses.

ISO 9001:2015 and full PPAP capabilities assure ProPulse customers that their projects are in good hands. Diligent work is what satisfies OEM requirements.

Total Facility size: 74,000 Sq Ft

Manual Assembly
5,000 Sq Ft

Automatic Assembly
3,500 Sq Ft



Extrusion & Braiding
26,000 Sq Ft

Warehouse
6,500 Sq Ft



Shipping & Receiving
3,000 Sq Ft

New Facility (2018)
30,000 Sq Ft



MANUFACTURING CAPABILITIES

ProPulse knows one-size rarely fits all.

Since 1998, ProPulse has been manufacturing high-pressure thermoplastic hose.

ProPulse is a vertically integrated manufacturing company that has served the hydraulic industry for more than 25 years, first as a distributor and then as a manufacturer. Almost ½ of what ProPulse manufactures

are a customized solutions. Engineering, prototyping, manufacturing and assembling hoses is the main wheelhouse of expertise.

Additionally, an in-house engineering team can provide customers with extensive support, while customer service teams can take care of fulfillment needs.

With 74,000 square feet of production and warehousing space, ProPulse has expanded their operations in every way since they began. Whether you need help designing a new product or are interested in manufacturing an existing product, ProPulse can help you.

OPTIMIZED CAPACITY. TECHNICAL EXCELLENCE.
POWERFUL RESULTS.



CONTINUOUS IMPROVEMENT

It's not just an ISO requirement—at ProPulse, it's a responsibility.

It is ProPulse's mission to build a company through the unified pursuit of sustainable growth and value. This means never being content with operational performance because the culture always says, "Strive for better."

ProPulse knows that improvement is possible through clear, cohesive planning and

organizational alignment. Central to the efforts to build a strong culture are the "Rockefeller Habits"—a collection of proven organization-building methods used by John D. Rockefeller.

The Rockefeller Habits are the foundations of ProPulse's company priorities, data and rhythm. Here's how they work for them:

THE ROCKEFELLER HABITS

PRIORITIES—ProPulse identifies five top priorities for the year and each quarter. Every department in the company aligns individual priorities with these. Priorities matter because when everyone's energies are focused on one area, faster, more efficient progress happens.

DATA—ProPulse has sufficient feedback on a daily and weekly basis to provide insight on how the company is running and what the market is demanding. This also helps to predict the near-future.

RHYTHM—ProPulse has an effective pattern of well-organized daily, weekly, monthly, quarterly and annual meetings to maintain alignment and drive accountability.



POWERFUL PARTNERSHIPS

ProPulse creates synergy within the supply chain—to form a win-win relationship.

With you in mind, customer service specialists and technical product experts are readily available to provide knowledge and assistance when you need it.

ProPulse works with you to find the best solutions, as well as the right hose—they'll

even come on-site to help with design and routing. Alongside your team, creating a superior system is the desired outcome.

ProPulse goes beyond the traditional customer-vendor relationship to work hand-in-hand with clients to execute optimal plans.

ProPulse works best in the trenches with the customers, seeing how the products are used every day and what issues are faced. ProPulse is the self-proclaimed "geek" of the high-pressure hose world.

And that is all good news for you.



INFORMATION SHARING

Openness and honesty exist. ProPulse initiates communication of accurate information and openly shares ideas and resources to support continuous improvement.



RESPONSIVENESS & PROBLEM RESOLUTION

ProPulse pro-actively initiates resolution and implements corrective action as quickly as possible.



BUSINESS RELATIONSHIP

ProPulse develops mutually beneficial and profitable relationships with customers, allowing success in the marketplace that is aligned to ProPulse's mission, vision and value.

Customer testimonials are more valuable than any information ProPulse could provide. Hear for yourself what their customers have to say.

"Whenever our engineers want to look at having a new product produced it seems like all they have to do is explain what they are looking to do and you provide a sample to make sure it works in testing and off we go."

—Shawn Dickinson,
Tommy Gate

"Quality and packaging is great."

—Josh Rouley, Alamo Group

"Never late!"

—David Deisher,
CLAAS

"We haven't had any early or late deliveries this year."

—Martha Lamb, World Class

"Delivery is excellent."

—Brian Murtha,
Hardi

"ProPulse provided backup information and specification of their products. They communicate any changes, even new contacts."

—Ravuth Theam, Maxon

"When there are product or component changes, they are relayed onto CLAAS well with adequate time to prepare."

—Chad Justice, CLAAS

"We have had absolutely minimum failures of the product."

—Mark Eichhorn, Equalizer

"You provide a quality product with good communication regarding updates and changes."

—Tom Latham, Rite-Hite

"We run a very lean inventory here at Tommy Gate, so on-time delivery is very important to us and you always deliver."

—Shawn Dickinson, Tommy Gate



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