



**Efficient Pipe
Processing Precisely
Tailored to Your Needs**

About Pipensity

We offer you the economical bending and cutting of tubes, processing of ends, and complete assemblies in proven top quality! Pipensity can build and assemble the most complex spools off a handwritten drawing if need be, we can bend it! Bending precision within 0.5 degrees and 0.062" on all other dimensions. Craftmanship above everyone else, capabilities for quick turnaround. With markets changing faster and faster and the demands on your products becoming more complex, we ensure precision in linearity and angularity, offering an efficiency over standard welding of elbow joints as well as efficiency over standard manual bending, right from the planning stage. Our strong team with many years of experience in pipe processing and the latest forming and processing technologies is at your side, even with extremely challenging tasks. Always with all our in-depth knowledge and specialists at eye level, in mutual consultation with you. *Because a pipe is not just a pipe.*

Pipe processing with the CNC bending machine

To achieve perfect results for you, we only use high-performance CNC mandrel bending machines. Our fluid power pipe bending machines can handle a nominal range of 1/2" NPS up to 3" NPS with wall thicknesses up to schedule 160 for high pressure applications. We can bend both carbon and austenitic stainless steel grades. The machines can be bent to the right and to the left – and can be used to bend both to the right and to the left in one setting. Most systems are equipped with up to three bending levels. Of course, all bending systems are networked with each other for high-quality results.



We know hydraulic connection systems. We give you the security of our expertise in the products and their economical manufacture, along with with our extensive tool inventory. In addition, a large stock of hydraulic pipes is available for the rapid implementation of your projects. Achieve cost efficiencies with our seamless transaction process from customer inquiry through order management, manufacturing, quality control and shipping.

We know the strengths and weaknesses of hydraulic connection systems. That is why our machined pipes offer reliable safety under highly dynamic loads, conforming to both ASME D31.1/D3.3 piping standards as well as DNV piping specifications.

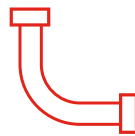
Our Services

Pipensity serves clients in a wide range of industries, including hydraulic systems, pneumatic systems, and more. We can offer custom design solutions using experienced hydraulic piping engineers. We also have a deep understanding of industrial, mobile, and shipboard hydraulic systems.

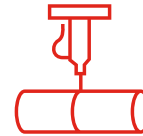
Pipe sizes: ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½", 3" for any application in the Hydraulic Piping Field!

Our large stock of ready to process materials includes hydraulic-, carbon steel-, and stainless steel grades piping, as well as chrome molly. Other materials can be provided upon request.

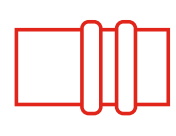
Pipe Processing



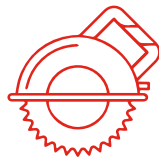
Bending



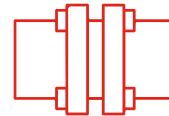
Welding



End Forming



Separating



Connecting



Precision Measuring
(within 0.062)

Areas of Application

- Hydraulic
- Industrial Piping
- Civil Infrastructure
- Oil & Gas
- Manufacturing
- Mobile Machinery
- Hydroelectric/Renewables
- Shipboard Platforms
- Aerospace Ground Support
- High Pressure Test Lab Applications

All bending systems are networked with each other as well as with the CAD and the measuring systems for high-quality results. We will be happy to provide you with all protocols and test reports on request for sustainable production safety. In this way, exactly the same pipe can be manufactured again years later.

Another advantage for you: our large pool of tools for each individual CNC machine. With 3xD for almost every possible pipe diameter, an extensive supply of raw materials available in our shop, and flexible machine utilization and planning, we enable timely production and delivery to you.

Our Process

Consulting & Planning

You don't just get pipes from us. We listen to you, think with you and use our specialized knowledge to explore practical and economical options. **With a holistic view, we support you competently and comprehensively.**

Implementation

Our large machine park with readily available tools and an extensive stock of semi-finished products ensures particularly fast production and cost advantages. Fully automatic CNC bending machines, systems for all forming processes and clean, non-cutting cutting processes are available for this. We offer you bending data acquisition, measurement reports, series and prototype acquisition as well as 3D modelling, and connections including welded, flanges, swage lock, pyelok, compression, flared or order plain end.

Optimization

Our quality control with the most modern measuring machines gives you the security that we have solved your task optimally. With the high demands we place on ourselves and certifications such as ASME B31.1, B31.3, DNV and ASME IX, we are constantly improving.

Forming and better end processing

With the forming at the end of the pipe instead of threading or welding connecting elements, we manufacture much more safely and economically, because a complex after-treatment is eliminated. For your strong and secure connections, PIPENSITY has forming machines for all common forming processes. Welding within code standards B31.1 and B31.3; Qualified Welders to ASME Section IX, Full Time CWI on staff!

Connections in top shape

For clean, robust and long-term tight pipes, we form almost all possible connection systems at the end of the pipe. These are all common hydraulic connections such as cutting rings or all flared screw connections. We process flanging between 37° and 90° using the rolling forming process to ensure the perfect surface in the sealing area. Our extensive high-tech machine park enables the attachment of all connection systems of the different screw connection manufacturers through the exact forming - up to the SAE J-518 flanges. Corresponding components from almost all screw connection manufacturers are available for production.

Separating pipes more effectively

We rely on advanced high-tech for pipe cutting. As most processing begins with the cutting process on the semi-finished product, we have pipes made of a wide variety of materials and diameters of up to 3" NPS available in our extensive material warehouse.

Measure for precise results

We have several measuring systems available to test the finished product, which visually check both a forming geometry down to the smallest detail and a bending geometry. If desired, we can also carry this out during production for a 100% inspection.

We continuously review and improve our own high standards – also through a wide range of certifications such as ASME B31.1, B31.3, DNV and ASME IX. This way, we always bring your pipes into top shape.

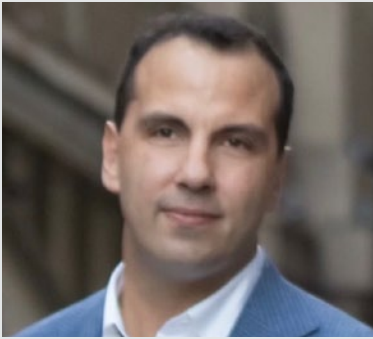
Testing, Cleaning and Flushing

In house flushing, mechanical cleaning and chemical cleaning depending on material and your requirements. For stainless steel pipe pickle and passivate pipe after welding services available. Aqueous cleaners are used as detergents to protect the environment.



Team Pipensity

Each member of our excellent team is a specialist in their field and is committed to using their experience and knowledge to make you and your products successful.



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Major Projects: Illinois River Basin, LaGrange Lock and Dam, Major Rehabilitation, supply and install of over 6,000 linear feet of hydraulic piping, Lake Pontchartrain, New Orleans, LA complete rehab of hydraulic works and piping on bridge, Red Rock Dam, Iowa complete hydraulic piping rehab, supply and install, McNary Umatilla, OR, McNary Intake Gates hydraulic piping rehab, supply and installation. Poe Lock, Sault Sainte Marie, MI, ship arrestor, hydraulic system and piping rehab.

Client Testimonials



As a major hydraulic systems provider to critical infrastructure projects, Arch Hydro, Inc. has relied on Pipensity to provide and supply custom hydraulic pipe spools. Arch Hydro has often called upon Pipensity's excellent team of experts to provide value engineered piping on such projects as the Lagrange Lock and Dam in Versailles, Illinois, Red Rock Dam in Des Moines, Iowa, as well as McNary Hydroelectric Dam Intake Gates, Umatilla, Oregon, and Poe Lock arrestor hydraulic piping systems rehab in Sault Sainte Marie, Michigan.



Pipensity is always ready and able to execute our clients necessary hydraulic pipe forming and supply. Pipensity uses AutoDesk Inventor 3D modeling software along with their state of the art pipe forming machinery. Pipensity fully models each piping system to specs and maximizes the prefabrication process to minimize installation time. Thanks to Pipensity hydraulic pipe spool forming capabilities, design, manufacture, supply, and testing operations were successfully completed and turned over to our clients for timely delivery and installation.

ARCH HYDRO, Inc.



Why Work with Us?

Making pipes better, means planning ahead

Pipensity is future focused, and on your side as a dialogue partner at every level. Because we offer you expert knowledge in all relevant application areas. This is our consistent claim, so that we can use our specialist knowledge perfectly and you can be sure of the best result.

We want to clearly record and successfully implement the wishes of our customers - in planning, quality, economy and timing. This ensures our and your success. The special proximity to our customers is an important strategic tool for us. Consistency and reliability in contacts with our supplier partners guarantee a high degree of flexibility. And finally, the satisfaction of our employees is the basis for the satisfaction of our customers. Pleasure at work opens up space for good ideas and encourages planning imagination.

This is the minimum requirement for us. Above all, our customers appreciate the systematic way to get there and the flexible, economical, and high-quality implementation.

Get in Touch with Us!



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