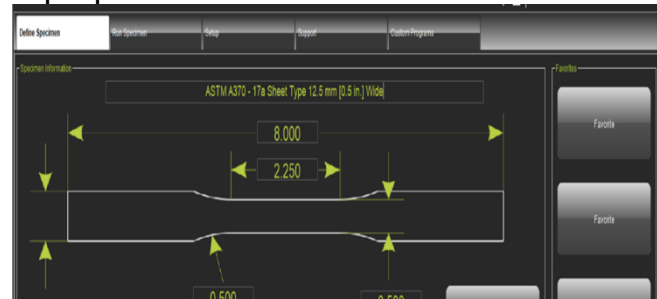


BUSINESS CASE DEVELOPMENT

TensileMill CNC is empowering operators of any skill level to contribute to **highest manufacturing testing standards from A to Z**. We provide a range of small and large high-speed machines specifically designed for the preparation of tensile test specimens, both flat and round and others, ensuring the highest quality results. Our primary objective is to offer our clients a sample preparation method that is not only precise, dependable, and consistent but also user-friendly for their dog bone and other sample preparation requirements. It is essential to recognize that inadequate sample preparation procedures can have a direct impact on the accuracy of tensile testing, impact testing and other testing results and potentially give rise to subsequent production challenges with your raw materials. By employing TensileMill, you can completely eliminate these potential issues and ensure a seamless process from sample preparation to reliable test results.



WHO CAN BENEFIT FROM TENSILEMILL CNC?



TESTING
FACILITIES



EXTRUSION
MANUFACTURERS



HEAT TREATING
FACILITIES



METAL
FABRICATORS



AUTOMOTIVE
MANUFACTURERS



TOOL
MANUFACTURERS



QUALITY CONTROL
LABORATORIES



AEROSPACE



R&D FACILITIES



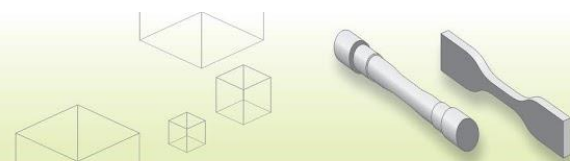
GOVERNMENT
FACILITIES



EDUCATIONAL
FACILITIES



AND MORE...



JUSTIFYING THE INVESTMENT

TensileSoft™ – The Most User-Friendly CNC Tensile Sample Preparation Software

The screenshot displays the TensileMill software interface. At the top, the 'TensileMill' logo is visible. Below it, a technical drawing of a mechanical part is shown with various dimensions. The part has a total length of 49.1188. Key dimensions include a width of 1.000, a thickness of 0.005, and a central section with a width of 1.000 and a thickness of 0.005. The drawing also shows a central section with a width of 1.000 and a thickness of 0.005. Below the drawing, a table lists material properties:

Part Name	Part No.	Part Desc.	Part Date	Part Rev.
Part Name	Part No.	Part Desc.	Part Date	Part Rev.
Part Name	Part No.	Part Desc.	Part Date	Part Rev.
Part Name	Part No.	Part Desc.	Part Date	Part Rev.
Part Name	Part No.	Part Desc.	Part Date	Part Rev.

At the bottom of the interface, there are five tabs labeled 'PART DATA', 'MATERIAL', 'MATERIAL', 'MATERIAL', and 'MATERIAL'. Each tab has a corresponding 'EDIT' button.

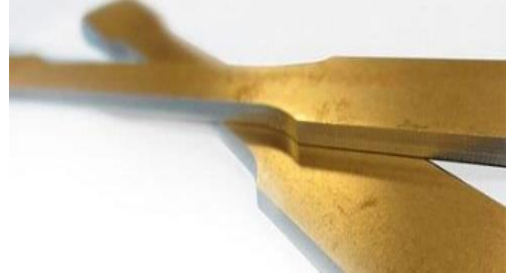
NOTE: Our upgraded CNC software feature enables the preparation of irregular or complex specimen sizes. This feature unlocks the full potential of standard CNC operations on our machines, catering to the needs of advanced users who require specialized specimen dimensions.

- All software upgrades are free for life!
- Massive time and labor cost savings
- No more confusion and no need for experience to recode different specimen dimensions as they change test-to-test.
- Ability to prepare Tensile Specimens and other specimens alike

Tensile Specimens Prepared Accurately & Repeatably Every Time

At TensileMill CNC Inc., our primary focus is on the precise and reliable preparation of tensile specimens in compliance with industry standards. Our standard machines are designed to deliver exceptional accuracy, with a position repeatability accuracy of 0.01mm (0.0004") or better. This level of precision surpasses the requirements of all known industry standards, ensuring that you can

consistently and confidently prepare accurate specimens with utmost safety and efficiency. With TensileMill CNC Inc., you can rely on our machines to consistently meet the highest quality standards for your tensile testing needs.



Major Benefits:

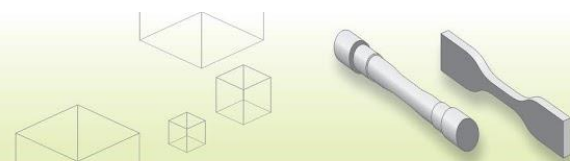
- Save on labor costs by preparing accurate tensile specimens consistently, every time
- No more struggle of redoing the same tensile specimens over and over, correctly to the necessary industry standard

Want to Confirm TensileMill System is the Right Solution for Your Materials? Send Your Specimens to TensileMill!

Our customers find great reassurance in entrusting their samples to our production facility. We offer a comprehensive service that includes milling your tensile samples, documenting the entire process through a professional video, and returning the samples to you for inspection. Additionally, we provide our best engineering recommendations based on the results. If you would like to benefit from our free sample preparation service, simply inform us, and we will handle the entire process at no cost to you. We are committed to ensuring your satisfaction and facilitating your sample preparation needs.

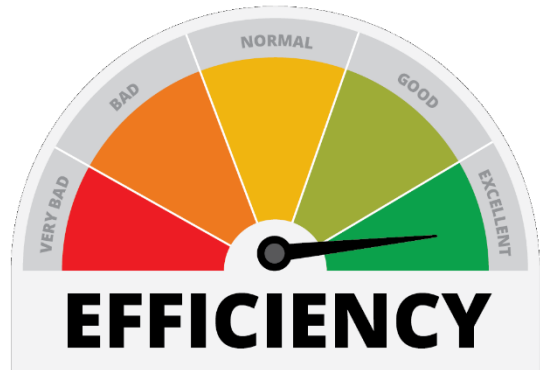
Major Benefits:

- Free and no obligation service available to all of our new and existing clients.
- Eliminate your risks by proving concept with a similar TensileMill system before making a financial investment.



Complete Control of the Testing Process from Machining to Test Results

By bringing the TensileMill system in-house, you gain the ultimate control over tensile sample preparation and the tensile testing process. You no longer have to worry about unjustified lead times of specimen preparation associated with outsourcing the service to a third-party machine shop. Instead, you will be able to produce your desired tensile specimens easily, accurately and in minutes. This in turn will solidify a better working relationship with your customers and/or suppliers and will bring higher levels of efficiency to your production and quality control procedures.



Major Benefit:

- Complete control over the lead times for all your testing processes
- Entirely eliminate your personal or clients' production result delays for days and sometimes weeks at a time

Stop All Disputes Between the CNC Operators and Quality Control Team for Good!

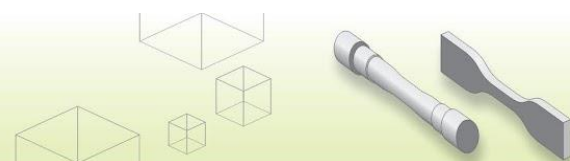


By incorporating a dedicated Tensile Sample Preparation system within your organization, you can eliminate common conflicts that often arise between CNC technicians and quality control team members. No longer will there be a struggle for priority on the existing machines. The introduction of a separate Tensile Sample Preparation system ensures that the production of your large machining center remains uninterrupted, as it will no longer be affected by the procedures involved in preparing tensile specimens.

Moreover, your quality control team will no longer be dependent on the machine shop to provide them with the necessary specimens for testing. Having an in-house Tensile Sample Preparation system empowers your quality control team to maintain their testing practices without relying on external sources. This streamlined approach enhances efficiency, reduces conflicts, and ensures a seamless workflow throughout your organization.

Major Benefit:

- Each member of your team will have a designated machine for a designated job to be performed efficiently and effectively.



- Prevent staff conflicts over sample preparation on a standard CNC milling center.
- Eliminate production interruptions associated with sample preparation on your standard CNC milling centers

Advanced Automation to Help Free Up Your Operator While the Machine Performs the Milling Cycle

With TensileMill CNC, your operators can easily load the starting blanks and initiate the process with just a few button presses. Our custom fixtures and user-friendly interface take care of the rest, ensuring a seamless tensile preparation process. The key advantage lies in the full automation of the process, allowing your operator to focus on other tasks while the machine precisely machines the specimen.



Additionally, our range of systems offers specific clamping fixtures, automatic center drilling, and other automation processes tailored to your needs. These additional functions are designed to further enhance your efficiency. We provide optional accessories and upgrades that can be quoted separately based on your requirements.

By incorporating TensileMill CNC into your operations, you benefit from a streamlined and efficient workflow, allowing your operators to multitask effectively while the machine handles the intricate details of tensile specimen preparation.

Major Benefit:

- While your system automatically prepares tensile specimens, allow your operators to focus on alternative tasks to enhance labor capacity output
- Avoid ineffective time use and high labour costs associated with preparing tensile samples on manual systems.

Have the Ability to Fit your System Virtually Anywhere in Your Facility Despite Space Restrictions

A significant portion of TensileMill's clientele consists of Quality Control Laboratories in government, educational, and manufacturing sector facilities. However, these facilities often have limited space capacity to accommodate a CNC system. That is why our

compact machines are the ideal solution for in-house tensile sample preparation processes. The good news is that our most common tensile specimen preparation systems have dimensions of only 83" x 80" (210 x 203 cm) in width and depth, and 70" (178 cm) in height. This compact size allows for easy integration of the machine into your facility, fitting comfortably in any desired location.

Furthermore, our systems offer the added benefit of surprisingly low noise levels. The loudest entry point volume ranges between 60-90 dB, ensuring a safe and comfortable workplace environment for your operators.

With TensileMill, you can overcome space limitations without compromising on performance or operator well-being. Our compact and quiet machines enable seamless integration into your facility while providing efficient and accurate tensile sample preparation.

Major Benefit:

- Ability to fit your TensileMill system in virtually any workspace despite room limitations
- Eliminates the needs for specialty space or facilities to accommodate your tensile sample preparation equipment
- Low noise levels for safe operation in laboratory environment

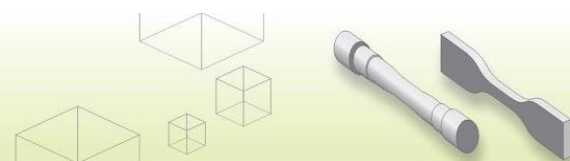
Simple and Easy Machine Maintenance and Low Maintenance Costs

One of the standout advantages provided by TensileMill CNC Inc. is the focus on easy and cost-effective maintenance across all our machines. We prioritize user-friendly maintenance procedures to ensure smooth operation and longevity of our equipment.

To assist with maintenance schedules, all machines are supplied with an operational manual that serves as a valuable resource. Additionally, our machines can be remotely controlled when connected to the network, enabling our trained personnel to diagnose and address any potential issues efficiently.

The daily and weekly maintenance procedures for our systems are quick and do not incur any additional costs. The primary expenses associated with operating our machines are related to consumables and bi-annual oil and coolant changes. While consumable pricing may vary based on individual user requirements, the costs for coolant and waylube typically range from \$95.00 to \$150.00 annually. These consumables can be easily sourced locally, ensuring convenience and cost efficiency.

At TensileMill CNC Inc., we aim to provide machines that are not only efficient and reliable but also designed with maintenance ease and affordability in mind. Our commitment to



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sales@tensilemillcnc.com

accessible maintenance helps to optimize the performance and longevity of our systems while keeping operational costs under control.

Major Benefit:

- Truly easy system maintenance prevents constant operator involvement and unforeseen long-term expenses
- Low annual maintenance cost relative to virtually any other type of similar quality control equipment.

World-Class Expertise You Can Rely On

TensileMill is proud to have a highly skilled and dedicated North American CNC engineering team that supports our user-friendly and low-maintenance equipment. Our team is committed to providing prompt and efficient support when you need it the most. With offices located in the USA and Canada, as well as strong partnerships throughout North America, Europe, and Easter Asia we ensure that your technical concerns are swiftly addressed.

Whether you require remote assistance or an in-person solution, our team is equipped to provide the necessary support to get you up and running in no time. We understand the importance of minimizing downtime and maximizing productivity, which is why we prioritize responsive customer service and technical expertise.

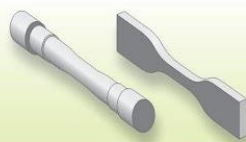
When you choose TensileMill, you can have confidence in our world-class engineering team's ability to deliver timely and effective solutions to meet your needs. We are dedicated to ensuring your satisfaction and providing the support required to keep your operations running smoothly.

Major Benefit:

- Prompt and reliable support from qualified North American CNC engineering team
- Eliminate the risk of dealing with resellers of industrial equipment employing non-qualified sales representatives with little to no CNC machining experience.

Never Stress About the Consumables and Spare Parts

At TensileMill CNC Inc., we prioritize ensuring that spare parts and consumables are readily available for our customers. We maintain a comprehensive stock of spare parts,



as well as consumables such as endmills, inserts, and fixtures. In the rare event that a specific item is not in stock, our lead times are minimal, minimizing any potential downtime. Learn more about TensileMill's consumables on:

<https://www.tensilemillcnc.com/consumables>

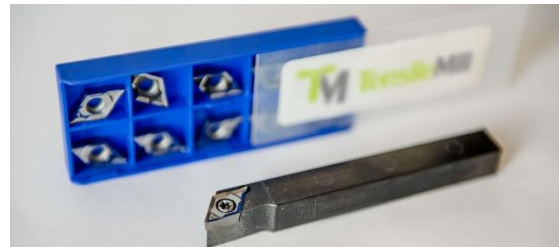
When it comes to consumables, we provide an adequate supply to get you started with your machine. However, if you have existing relationships with tooling suppliers that you prefer to work with, rest assured that our machines are fully compatible with most tooling available on the market. This flexibility allows you to leverage your existing supplier relationships.

One significant advantage of purchasing consumables through TensileMill is that we supply endmills, inserts and fixtures that have undergone rigorous testing with various materials. This ensures the highest level of precision machining for your tensile specimens. By choosing our tried and tested consumables, you can confidently achieve exceptional results with consistent precision.

At TensileMill CNC Inc., we strive to provide a seamless experience by offering readily available spare parts and consumables. Our commitment to precision and compatibility allows you to efficiently operate your machine and achieve superior tensile specimen machining.

- **Fixtures and Inserts:**

The unit comes standard with all the fixtures and inserts required for your specific types of material. This is part of our Turnkey Package with the main machine. Additional inserts and fixtures are typically provided in the BONUS section of the quotation.



- **Coolant:**

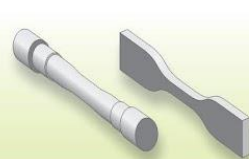
The system comes standard with a recirculating water based coolant system. We recommend the following brands for tensile specimen preparation and other CNC machining requirements: Cim Cool, Hocut, and Blaser. All can be purchased locally and TensileMill can assist in finding you a local supplier if required.

- **Endmills**

The flat tensile specimen equipment comes standard with a recommended end-mill for your material application. Softer materials require different endmills than harder materials. Our engineers provide the best recommendation based on the type and hardness of the material that you will be milling and the overall milling volumes.



All spare parts and consumables will be available for TensileMill's systems indefinitely.



Major Benefit:

- Receive a 1 to 2 years included in your consumables starter kit with the purchase of any TensileMill system.
- Non-proprietary parts for the ultimate peace of mind
- Most all consumables and spare parts are either in stock or have relatively short lead times.

Trusted Service and Support

At TensileMill CNC Inc., we prioritize providing exceptional technical service and support to our valued customers. Our dedicated team is readily available to assist you via phone, email, or in-person communication.

During the initial training and installation process, our team ensures that your operators become proficient and comfortable with the system. We believe in empowering your operators to handle routine operations and address minor issues independently. In the rare event that technical assistance is required, most issues can be resolved remotely through the built-in remote access feature in our machines' software. This allows our team to diagnose and guide you through troubleshooting steps, minimizing downtime.

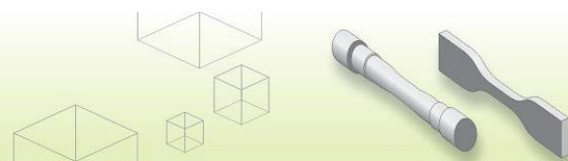
In the exceptional cases where a physical visit is necessary, we collaborate with a network of local CNC shops in your area. These trusted partners can be dispatched within 1-2 days to provide on-site support under our guidance. This ensures that any issues are promptly addressed and resolved, allowing you to resume operations swiftly.

Furthermore, TensileMill CNC Inc. has established a global network of partnerships, enabling us to service clients worldwide. Regardless of your location, we are committed to delivering comprehensive support and service to meet your needs.

With TensileMill CNC Inc., you can have confidence in our responsive technical support team, global network of partnerships, and commitment to ensuring your satisfaction. We are dedicated to providing the assistance you need, whenever and wherever you need it.

Major Benefit:

- Remote or in-person readily available global service
- Eliminate the system support concerns even if your facility is located in a different city or country.



Standard Warranty and Extended Warranty

When you choose TensileMill CNC Inc., your equipment is backed by a comprehensive 12-month warranty from the date of delivery. This warranty covers the machine from top to bottom, excluding parts affected by normal wear and tear. We prioritize your satisfaction and ensure that your investment is protected.

In addition to the warranty, we offer a unique and valuable bonus: our Life-Time Consultation Advantage. This service provides ongoing support, problem resolution, and technical consultations tailored to your specific requirements for the entire lifespan of your equipment. Whether you need assistance with minor repairs, calibration services, or any other support, our Life-Time Consultation Advantage is available to you at no additional cost.

We encourage you to reach out to us by phone or email to take advantage of this invaluable service. Our team is dedicated to providing ongoing support and consultation, ensuring that your equipment continues to operate at its best. We are committed to your success and will be there to assist you every step of the way.

At TensileMill CNC Inc., we go beyond the standard warranty to offer a comprehensive Life-Time Consultation Advantage, providing you with ongoing support and technical guidance throughout the life of your equipment.

NOTE: Additional warranty options are available for purchase with the main system.

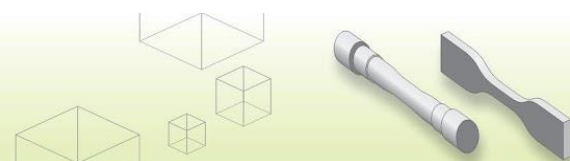
Major Benefits:

- Standard 12 Months Manufacturing Warranty
- Extended Warranty options available
- Life-Time Consultation Advantage will cover your minor support needs, avoiding any further financial investments for the lifetime of the system

ADDITIONAL BENEFITS

Need General Purpose CNC Machining Capabilities?

Though TensileMill CNC is a global leader for tensile specimen preparations, each unit can also perform as a general-purpose CNC machine with a MACH 4 G-CODE operational software. This means that the machine can be a hybrid unit, helping your facility meet any potential CNC machining requirements.



Major Benefit:

- Ability to use the TensileMill system for a full scope of CNC machining capabilities.

How Does TensileMill Compare to Competition?

TensileMill CNC Inc. is the industry leader for tensile sample preparation equipment. This is what we do!

Please note, there are a number of resellers of CNC machines for tensile sample preparation. Their pricing may be cheaper; however, their products may be distributed from other parts of the world, therefore the quality and technical support may not be what you were hoping for. We strongly encourage you to send your samples to the machine suppliers before purchasing any system to confirm that their system is capable of preparing your specimens to your desired standards accurately and efficiently. A good equipment supplier will prepare your specimens, make a video of the process and send the samples back to you for review and approval.

Major Benefits:

- The ultimate assurance that your TensileMill system will meet your tensile sample preparation needs

What Are the Safety Features of TensileMill Systems?

Each tensile sample preparation machine is designed with the latest, state-of-the-art safety features such as emergency stops, heavy-duty protection covers and more, as part of our Safety-First initiative. We have successfully passed the safety standards by some of the most rigorous inspectors in North America in automobile, aerospace and government R&D facilities. All of our systems are fully enclosed and cannot be accessed by the operator during the cutting cycles.

Major Benefit:

- Fully enclosed systems designed to eliminate operator injuries.

North American Assembly!

Without exception, all TensileMill CNC Inc.'s machines and consumables undergo the final assembly, quality inspection and manufacturing processes in North America.



PROFESSIONAL BUSINESS REFERENCES

The Software is astonishing! We particularly enjoy the library of common standards. In our initial discussion of technical specifications, we asked for the machine to be programmed for the ASTM E8 standard based on our customer needs at that time. We were pleasantly surprised to find the software was equipped with many ASTM, ISO, JIS, and DIN standards. This came particularly handy when our recently acquired customers needed us to prepare them with tensile samples according to ISO standards.

Denso Manufacturing and Denso Automotive Group

Happy with our investment. We received a better value at a more competitive price. Before buying, we sourced 3 quotations, including TensileMill. TensileMill met all technical needs and had the added value of the easy to use software interface. The unit was lower priced relative to the competition and fit well in our budget.

Extruded Aluminum Corporation

We specialize in part production with inconel metals. Our materials are upwards of 50HRC and require a tensile tester with 5000 kN capacity. Daily we prepare roughly 30-40 samples. We were out there looking for a robust and user-friendly machine to be operated by our junior engineers in our new R&D division. We had sent our samples to TensileMill to be tested before making the final purchase. The guys at TensileMill turned our samples, made a video of the process and sent the sample back to us for inspection. We were very impressed. TensileMill CNC MINI was the solution for our needs. Over the years, this machine had proven itself over and over to be both powerful and reliable. Since we purchased the MINI, our capacity had increased to roughly 50 samples per day. After months of rigorous work with the unit, the only maintenance expense we have are the endmills. We had looked into purchasing them with other suppliers, however they last about a third of the time that TensileMill's endmills do, yet the cost is about the same.

Merit Technologies World

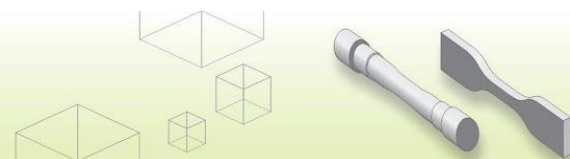
Before buying the unit, we had never heard of TensileMill CNC Inc. Our trust was earned when TensileMill invited us to visit their facility and see the unit's operation for ourselves. We brought our specimens along for the trip. I must say, that at first I was very skeptical, because I have never heard of a "tensile preparation designated machine". The good news is that skepticism is no longer an issue. We are proud owner of the TensileMill CNC MINI. What more, we really appreciate the way TensileMill handled themselves prior to the purchase and how they are continuously showing their support after the fact. We get occasional courtesy check ups to make sure that we are all set. It is nice to be cared for.

Magna International

Very impressed with the before and after sales service. We got the Tensilemill mini model. Our lab staff had some initial challenges with the set up, however Thomas was extremely helpful in guiding us through the process and getting our guys up and running. The unit works perfectly.

Blue Origin

We very much enjoy our MINI and Industrial Upgrade lathe systems for our steel and composite tensile dog bones. The machines are used daily and perform with excellent accuracy and



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repeatability. Our quality lab operators are very satisfied and are very comfortable with the machines. Highly recommend.

Hexion

Fantastic controller design for tensile milling. Thank you!!!

Superior Extrusions, Inc.

Happy with our investment. We received a better value at a more competitive price. Before buying, we sourced 3 quotations, including TensileMill. TensileMill met all technical needs and had the added value of the easy to use software interface. The unit was lower priced relative to the competition and fit well in our budget.

LifeTime Products

I give a 5-star review for TensileMill CNC for their exceptional quality, user-friendliness, and technical support for the purchase of a 100kN Universal Testing Machine.

Firstly, the quality of the machine is exceptional. It is evident that TensileMill CNC takes great pride in their work and pays attention to every detail of the manufacturing process. The machine is built to last, and its precision and accuracy are remarkable.

Secondly, the user-friendliness of the machine is second to none. The software is intuitive and easy to use, and the machine is straightforward to set up and operate. TensileMill CNC provides comprehensive documentation and training, ensuring that their customers get the most out of their machine.

Overall, I highly recommend TensileMill CNC for anyone in the market for a Universal Testing Machine. Their exceptional quality, user-friendliness, and technical support make them the clear choice for anyone looking for a reliable and high-performing machine. Five stars all around!

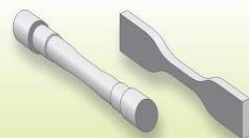
Soheil S. - University of Arkansas Little Rock

The MINI is an exceptional product that truly exceeds expectations. The team behind this product truly understands the needs of their customers, and they go above and beyond to ensure that the TensileMill CNC MINI is not only functional but also easy to use. The level of customer service is top-notch, and any questions or concerns are promptly addressed. With its user-friendly interface and outstanding performance, the TensileMill CNC MINI is a must-have for anyone in need of precision machining.

It is also nice that all the necessary tooling are either stocked or have relatively low lead times. I particularly like how TensileMill treats us to free consumables, once in a while.

Jeff L. - Engineering - Wheeling Nippon Steel

OUR CLIENTS:



PERFECT SOLUTION FOR TENSILE AND ALL OTHER CNC MACHINING REQUIREMENTS