

2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA

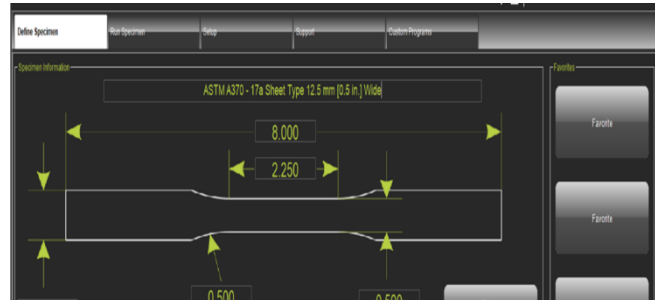
+1 (877) 672 2622

+1 (775) 981-9041

sales@tensilemillcnc.com

BUSINESS CASE DEVELOPMENT: INTRODUCTION:

TensileMill CNC offers small and large, high speed, tensile sample preparation machines designed to prepare the highest quality of flat and round tensile test specimens. Our mission is to supply our clients with the most accurate, reliable & repeatable and the most user-friendly method for their tensile dog bone preparation needs. Poor quality sample preparation processes can directly affect the tensile results and can lead to further issues in production from your raw material. TensileMill helps you eliminate these potential issues in their entirety.



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...

Additionally, our global partnerships with quality manufacturers of Tensile Testing equipment allows TensileMill CNC, Inc. to offer a one-stop shopping solution for **all** tensile testing related needs.

JUSTIFYING THE INVESTMENT

TensileMill's systems are design to maximize productivity and accuracy of your tensile sample preparation procedure while minimizing the operator involvement. Here is what separates us from the competition.

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

All TensileMill CNC systems are equipped with our industry leading TensileSoft™ – a user-friendly tensile interface which allows the operator to enter their desired ASTM, ISO, DIN, JIS or other industry standards with a push of 2-3 buttons. The machines will accurately and repeatedly mill your starting blanks to specification every time. This feature alone will save you hundreds of hours on labor costs and “special training costs” associated with developing an experienced, in-house CNC operator.



The Tensile Software also makes adding and adjusting specimen sizes extremely easy with the use of our touch screen interface. This is possible for both flat specimens on our mills and round specimens on our lathes.

Check out our interface video! <https://www.youtube.com/watch?v=vLTGq8jNYEq>

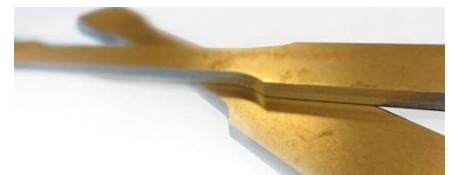
NOTE: Irregular or complex specimen sizes can be prepared with our upgraded CNC software feature. This unlocks the standard CNC operations on our machines for more advanced users.

Major Benefits:

- 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

Preparing tensile specimens accurately and in accordance with the specific industry standards is what TensileMill CNC Inc. is all about! Our standard machines offer position repeatability accuracy of 0.01mm (0.0004”) and better. This is well within all known industry standards and will allow you to safely and efficiently prepare accurate specimens every single time!



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!

It gives our customers a great peace of mind to be able to send their samples to our production facility. We will mill your tensile samples; create a professional video of the process; and send the samples back for your inspection along with our best engineering recommendations. Simply let us know if you would like to take advantage of our free sample preparation and we will help you take care of the rest at no cost.

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 bringing a designated Tensile Sample Preparation system in-house, you will avoid any common conflicts experienced by the CNC technicians and the quality control team members. No longer will anyone have to fight for priority on your current machines. Your large machining center's production will no longer be interrupted by tensile specimen preparation procedures. Your Quality control team will no longer be relying on your machine shop to provide them with their specimens to continue with testing practices.

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

TensileMill CNC will allow your operators to load the starting blanks, press a few buttons and our custom fixtures and user-friendly interface will do the rest. The most important part is that the tensile preparation process is fully automated, therefore once the machine is machining the specimen, your operator is free to complete additional tasks.



Various systems offer specific clamping fixtures, automatic center drilling and other automation processes that will increase your efficiency even further. These upgrade functions can be quoted as part of our optional accessories / upgrades.

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 major sector of TensileMill's clientele is Quality Control Laboratories of government, educational and manufacturing sector facilities. More often than not, the space capacity in such facilities for a CNC system is very limited. This is why a compact machine is the only way to accommodate a tensile sample preparation process in-house. The great news is that TensileMill's most common tensile specimen preparation systems are all within 83" x 80" (210 x 203cm) in width and depth and 70" (178cm) in height. This makes it easy for you to comfortably fit the machine virtually anywhere you wish in your facility.

Another major value-add to our systems is the surprisingly low noise levels. The loudest entry point volume ranges between 60-90dB, allowing for safe workplace conditions.

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 unique values offered by TensileMill CNC Inc is that all of TensileMill CNC machines are designed to be easy and cost effective to maintain. The units come standard with an operational manual to help with your maintenance schedule. All machines can be controlled remotely when hooked up to the network which allow for diagnosis of any possible issues by our trained personnel.

The daily and the weekly system maintenance procedures are fast and free of cost. The only real cost associated with running the systems are the consumables and bi-annual oil and coolant change. Though the consumable pricing may vary based on the user's needs, the coolant and waylube costs average \$ 95.00 - \$ 150.00 annually and can be sourced locally.

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's user-friendly and low-maintenance equipment is backed up by a world-class North American CNC engineering team who is capable of offering the prompt support when you need it the most. With offices in USA and Canada, as well as partnerships across North American and Europe, you can rely on TensileMill to swiftly address your technical concerns and provide either remote or in-person solution to get you going in no-time

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

The spare parts as well as consumables such as endmills, inserts and fixtures are virtually always in stock. If not, the leads times are relatively minute.

When it comes to consumables, TensileMill CNC Inc. will always supply you with an adequate amount to get started with your machine! If you have relationships with existing tooling suppliers that you would like to use, our machines are fully compatible with most tooling on the market. The main benefit of purchasing consumables with TensileMill is that we supply endmills that have been tested with a variety of materials to ensure the absolute highest level of precision machining for your tensile specimens.

- ***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.

2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA

+1 (877) 672 2622

+1 (775) 981-9041

sales@tensilemillcnc.com

- **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

Our technical service and support team is readily available for you by phone, e-mail or in person. After the initial training and installation, your operators will be extremely comfortable with the system. Most all issues can be resolved remotely through the use of remote access built into the machines software. In the rare event that a physical visit is necessary, TensileMill works with a number of local CNC shops in your area who can come out within 1-2 days and help fix any issues under our guidance.

TensileMill CNC Inc. has a global network of partnerships which allow us to service all of our clients, regardless of their location around the world.

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

TensileMill CNC Inc. provides you with a 12-month warranty on your equipment upon the delivery. The warranty covers the machine top to bottom with the exception of parts effected by wear and tear. Our unique bonus is our Life-Time Consultation Advantage extended to all of our clients. This service allows for ongoing support, problem resolution and specific technical requirement consultations for the life-time of your equipment. Please feel free to contact us by phone or e-mail. Minor repairs, some calibration services, and other support is offered as a part of this free life-time service.

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

2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA

+1 (877) 672 2622 +1 (775) 981-9041 sales@tensilemillcnc.com

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

Hexion

2220 Meridian Blvd., Suite #AF937, Minden, NV, 89423, USA

+1 (877) 672 2622 +1 (775) 981-9041 sales@tensilemillcnc.com

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

OUR CLIENTS:



Canadian Nuclear
Laboratories
Laboratoires Nucléaires
Canadiens

