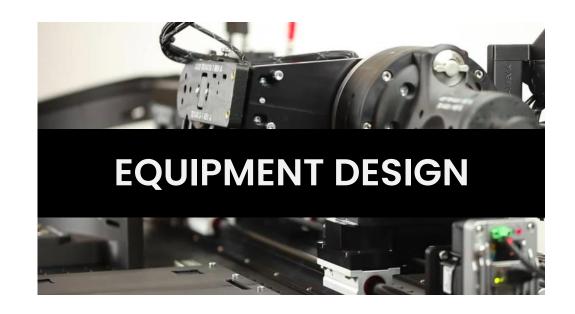
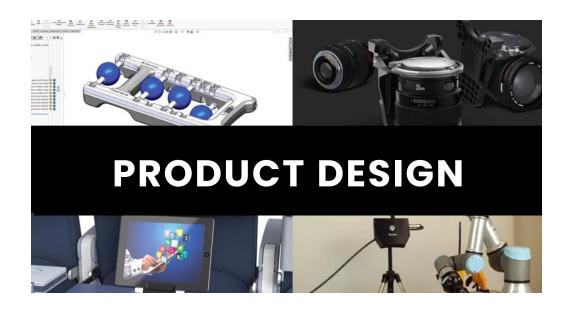
WELCOME TO PIPELINE

We build equipment that R&D and MFG teams LOVE to use. We also provide product design services.







TESTIMONIALS

"Just being able to automate making one [proprietary process] would be huge for us as we make plans to double production. Being able to automate all three like you're doing is a total game changer – I'm happy to endorse your work!"

Alex B.

Manufacturing Engineer

"Pipeline has been a fantastic partner on several custom engineering & build-to-print efforts.

We've enjoyed responsive communication, high-quality work product, and timely delivery of everything from drawings and fabricated components to custom automated manufacturing equipment. Highly recommended!"

Cole F.

Industrial Automation and R&D Engineer



TESTIMONIALS

"We've been working with the team at Pipeline for a few years and I'm consistently impressed with their work! Recently, an opportunity presented itself, but required a new design on a very compressed timeline. We met with the Pipeline team and discussed. I expected them to push back on the project timing, but they met internally to review and came back saying they could take the project. They met the deadline, delivered a great product, and allowed us to take advantage of an amazing opportunity! I highly recommend Pipeline!"

Bob M. Founder & CEO

"Our company's New Product Development, R&D, and Advanced Operations groups have been working with Pipeline Design & Engineering for several years on projects ranging from simple test fixtures to automated, microcontrolled kinematic test stands. Pipeline has also managed and executed the 3D scanning, design intent modeling and drawing package creation of complex surgical devices. They have consistently proven themselves to be responsive, reliable, and highly competent strategic partners. The level of quality and creativity present in their work has been exceptionally high and has led to successful project execution and a reduced time to market for our company's products. Pipeline's staff is a very pleasant and professional group of individuals with which to work. I wholeheartedly recommend Pipeline Design & Engineering to any group in need of design and/or engineering services."

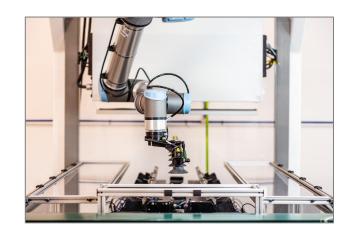
NATHAN B.Principal Engineer, R&D



ABOUT US

Pipeline helps OEMs who commercialize hard goods products that are complex or difficult to manufacture. We do this by increasing or improving production through the development of advanced manufacturing processes, then building specialized equipment, fixtures, & automated machines around those processes. Learn more about our manufacturing solutions at <u>teampipeline.us</u>.

Customers also utilize our supplementary design services for new product development projects (e.g. medical devices, consumer products, etc). Learn more about our product design at <u>teampipeline.us/product-design</u>.







CORE CAPABILITIES & SERVICES

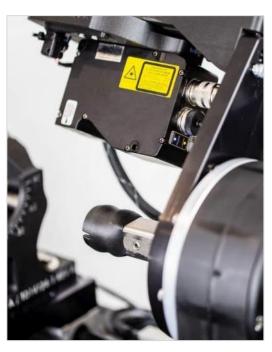
- Advanced MFG process development
- Test, inspection, & manufacturing fixtures
- Automation/machine building
- Product design
- R&D
- Build to print
- Lifecycle testing equipment

Pipeline uses SolidWorks and delivers full drawing/mfg documentation along with the physical equipment. We deliver <u>turnkey</u> fixture/equipment/product solutions.

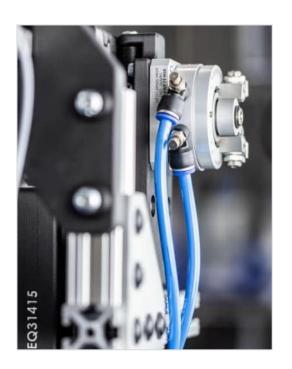




MEDICAL DEVICE CRIMPING FIXTURE



VISION INSPECTION SYSTEM



CYCLE TEST STATION



CATHETER TIP
DEFLECTION FIXTURE

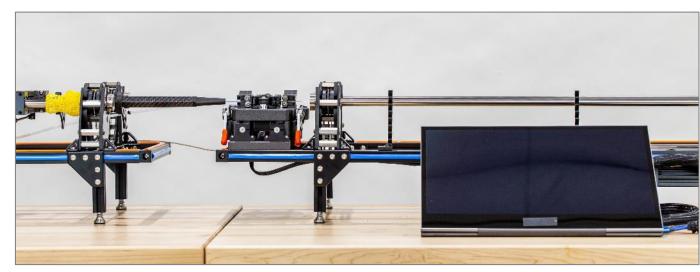


PCB FUNCTIONAL TEST FIXTURE



CATHETER NAVIGATION FIXTURE



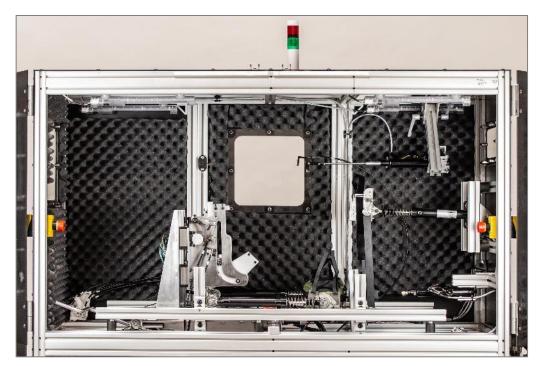




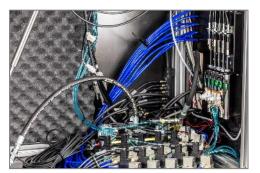
PCB PROGRAMMING FIXTURE



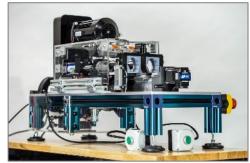
AUTOMATED CATHETER
INSERTION FORCE FIXTURE



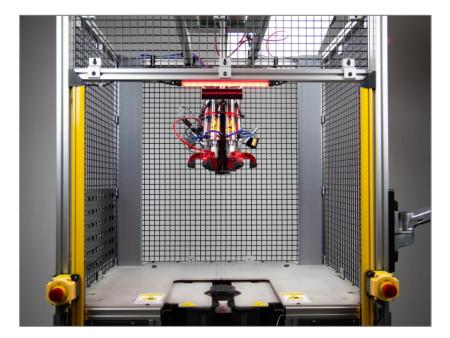
AUTOMATED CYCLE TEST MACHINE



PNEUMATICS CONTROLS



AUTOMATED DRILL FIXTURE



AUTOMATED DEMOLDING CELL

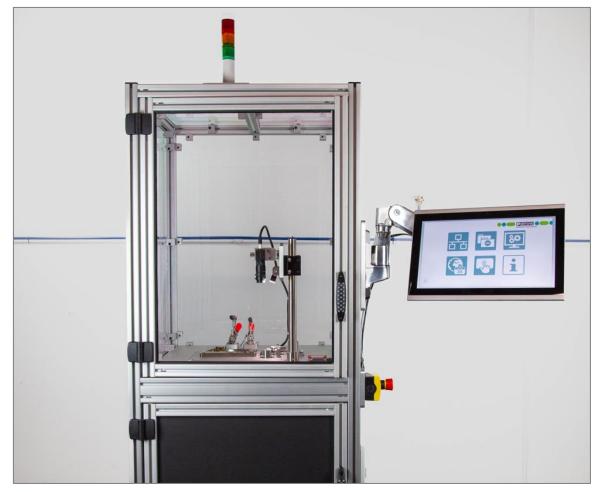




MEDICAL DEVICE TESTING MACHINE

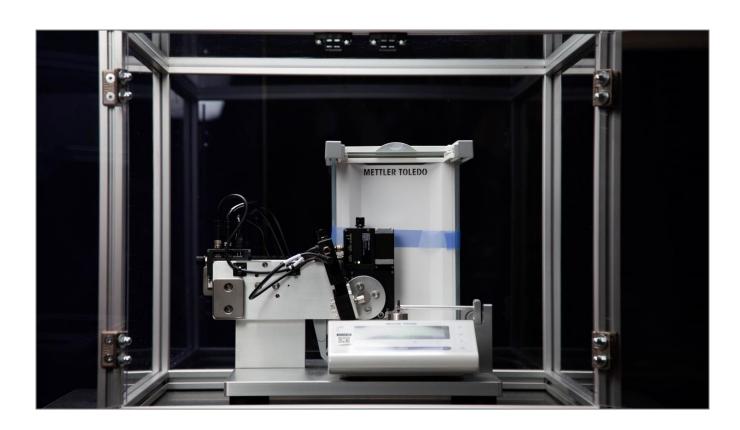


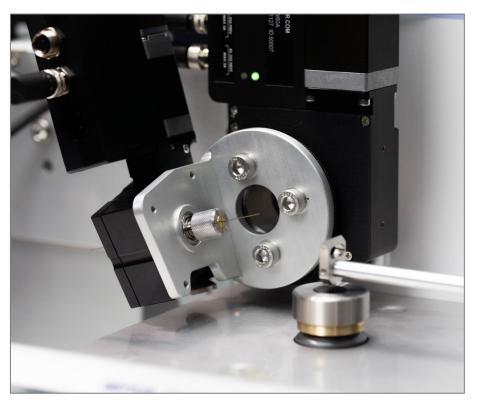
ROBOTIC MICRO GLUE DISPENSING: VIDEO



PRODUCT LIFE CYCLE TESTER



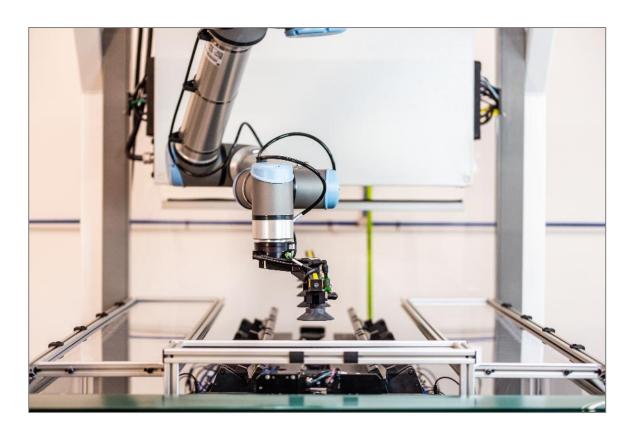




MICRO GUIDEWIRE STIFFNESS TESTER







AUTOMATED CARTON ERECTOR



PROJECT SAMPLES: PRODUCT DESIGN



GELLIFLEX ABACUS



SMART TRAY
PED HOLDER



SPELLBINDERS
PLATINUM CUT &
EMBOSS MACHINE



ELECTROMEDICAL DEVICE



OUR TEAM

Pipeline's core team consists of mostly mechanical engineers, as well as controls engineers, programmers, and industrial designers.

By extension, our team also includes:

- Electrical Engineers
- Machine Shops
- Contract Manufacturers
- Regulatory & FDA Consultants
- IP Attorneys
- Device Sales Representatives

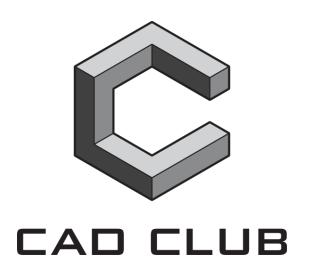
- Human Factors Scientists
- Laboratories
- Metrology Service Providers
- Recruiters
- Finance/Strategy Consultants
- Technical Writing Professionals
- Other professionals commonly associated with the development of medical devices and new product development

Customers working with Pipeline gain access to our entire network of professionals.

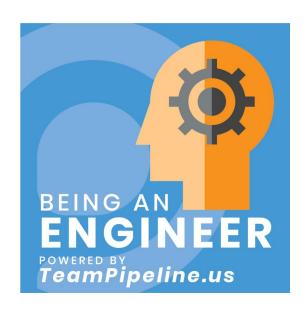


BEYOND ENGINEERING

When you work with Pipeline, you support more than just a company. You support our next generation of engineers, the engineering community, and the growth of current engineers around the world! See next slides for details.









BEYOND ENGINEERING: CAD CLUB

CAD Club is Pipeline's volunteer program in which we teach middle & high school students CAD and basic engineering skills. The highlevel purpose of the program, however, is to provide a safe and secure environment in which our youth can learn what healthy adult behavior looks like. Click the image to hear what these students have learned in their own words.





BEYOND ENGINEERING: THE WAVE

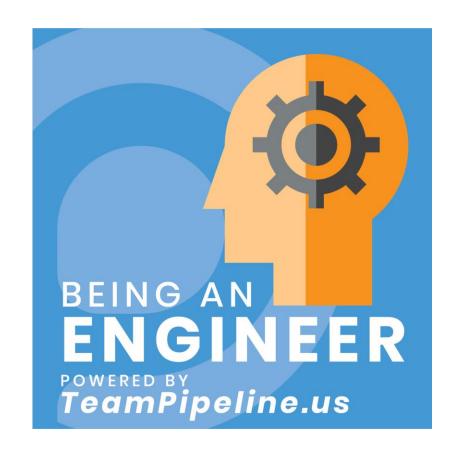
The Wave is an online platform of tools, education, and community to dramatically accelerate the speed of engineering. There you'll find senior-level engineering mentors, engineering forums, free CAD downloads, thought-leadership articles, educational courses, a vendor database, online portfolios to share your work and resume, a job board, and more. If you are a mechanical engineer, R&D engineer, product development engineer, or similar, your new tribe awaits at The Wave.





BEYOND ENGINEERING: BAE PODCAST

Our podcast, Being An Engineer, includes over 200 interviews with the world's highest performing engineers. It is a central repository in which we collect and share industry knowledge & best practices associated with the discipline of engineering. We hope that engineers throughout the world will benefit from this content as they learn about and connect with the companies, technologies, people, resources, and opportunities featured on the show.





THANK YOU

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