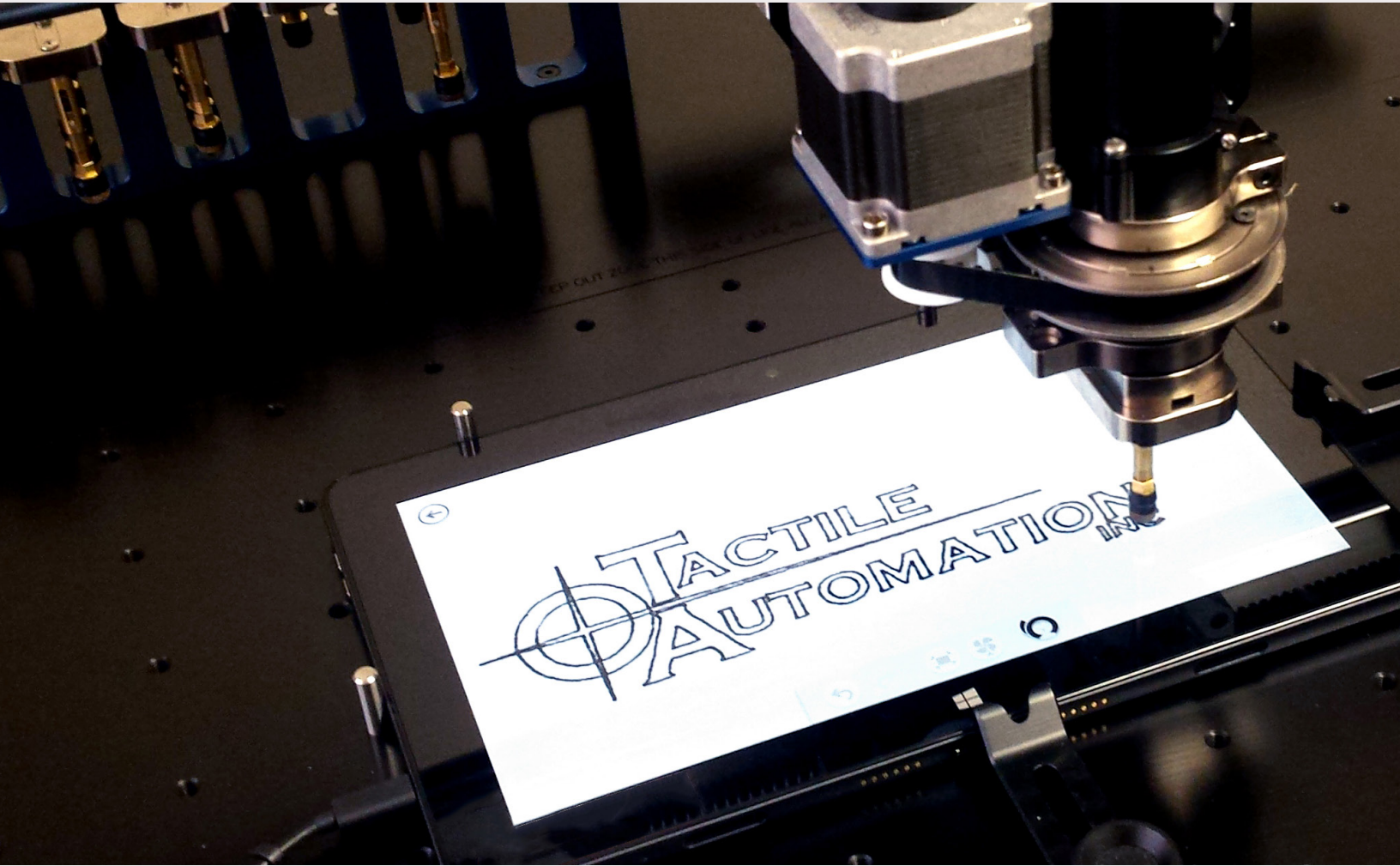




*Assisting the Display Industry in
joining the automation revolution*



TAKTOUCH 1000

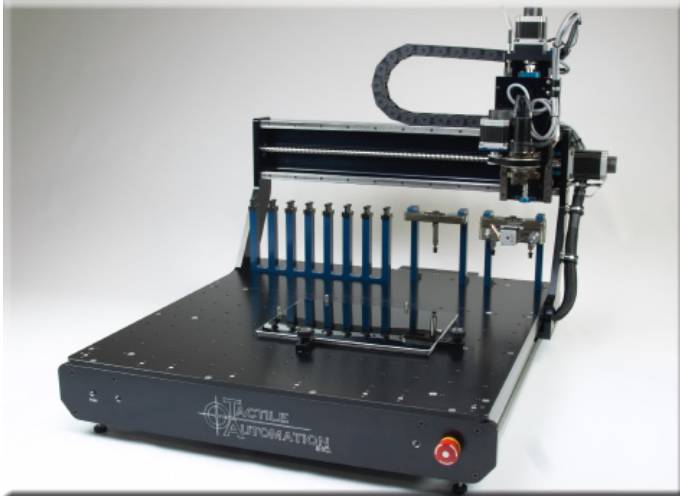
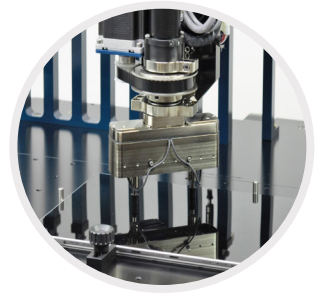
A *TURN-KEY* ROBOTIC TOUCH PANEL PERFORMANCE TEST SYSTEM

DON'T MISS OUT ON THE AUTOMATION REVOLUTION

TakTouch 1000

TakTouch 1000 is an automated **turn-key** test system for device or touch panel/display performance testing.

TakTouch 1000 can also be used for testing touch panel performance for fully assembled products. This allows testing touch performance in the final hardware and software configuration.

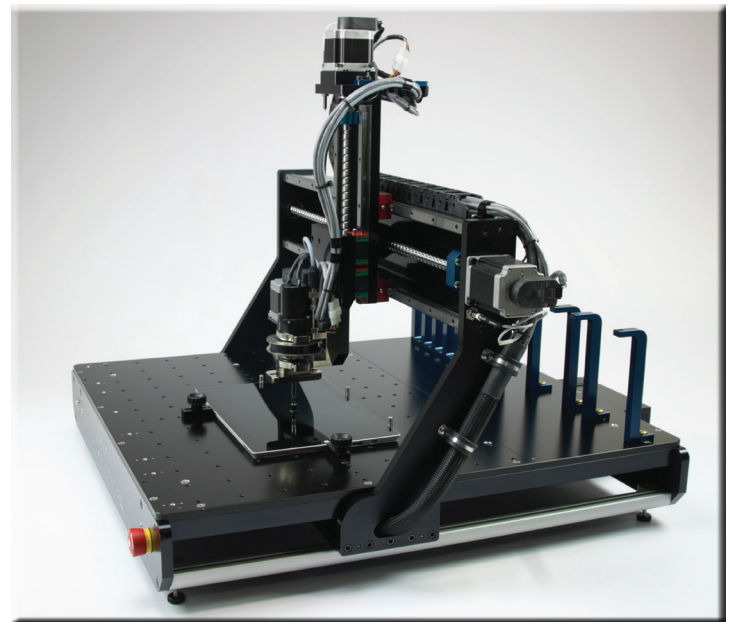


ENABLES YOU TO...

- * Replace your human testers
- * Run and gather test data 24/7
- * Establish and manage quality standards
- * Develop competitive cutting edge products
- * Reduce waste during R&D and testing
- * Achieve reliable and repeatable test procedures
- * Increase test capabilities while decreasing test effort
- * Significantly reduce wasteful overhead costs

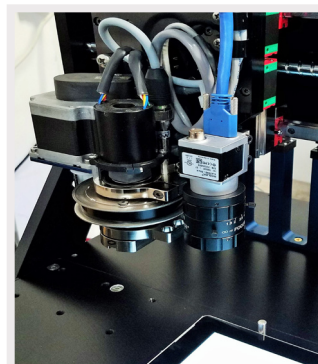
BENEFITS

- * Use vision guidance to easily locate your DUT
- * Fully automatic test process, including changing end effectors
- * Multiple off-the-shelf end effectors to complete a variety of gestures
- * Use a single platform to test both module level, [sensor & controller] and device level [phones, tablets, and other displays]
- * 100% designed, manufactured, assembled, and supported by Tactile Automation in the USA



TEST CAPABILITY

- ✓ Development
- ✓ Design Verification
- ✓ Reliability/Stress
- ✓ Repeatability
- ✓ SW & HW regression
- ✓ Manufacturing



Vision system locating DUT

GESTURE CAPABILITY

- ✓ Single/multi finger tap
- ✓ Single/multi finger swipe
- ✓ Pinch to Zoom
- ✓ Force Sensing
- ✓ Palm Rejection
- ✓ Stylus/Pen



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**Assisting the Display Industry
in joining the automation
revolution**

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TECHNICAL DATA

TECHNICAL DETAILS

Robots Outside Dimensions:

[L x W x H]

820 x 777 x 638mm

[32.28 x 30.59 x 25.11in]

Robots Weight:

60kg [130lbs]

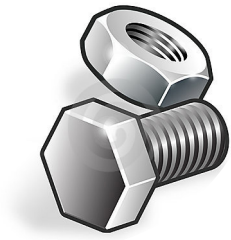
Max DUT size:

609.6 x 406.4mm

[23.97 x 15.98in]

Power:

120/240 VAC - no special circuits or pneumatics to power robot



SOFTWARE

- * Simple control GUI
- * Programmable in G-code, C, C++, C#, VB, Java, Python, etc. or apps written for the .NET Framework i.e. LabVIEW, etc.
- * Dynamotion motion controller coupled with KMotion software gives the user max control to write customized test cases
- * Simple GUI to control vision system, vision is used to accurately locate DUT.

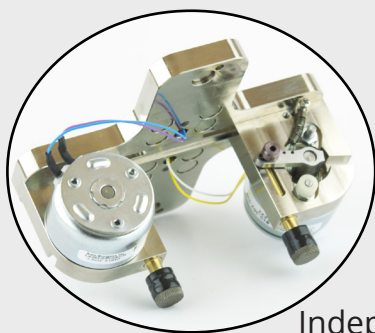
WHAT OUR CLIENTS SAY

"The TakTouch 1000 robot is easy to use, has helped us save a lot of time and resources by allowing us to automate our test procedures and stress-test our products.

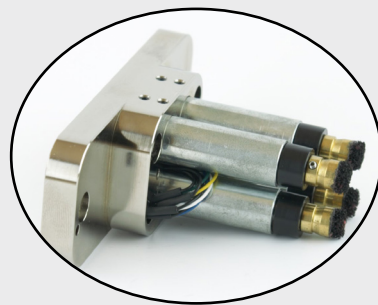
I would recommend Tactile Automation's products and services." Aamir - Consumer Electronics, San Jose

END EFFECTORS

The TakTouch 1000 is available as a standalone machine or a package to include off-the-shelf or custom designed End Effectors. Below are a few of the End Effectors we currently have available.



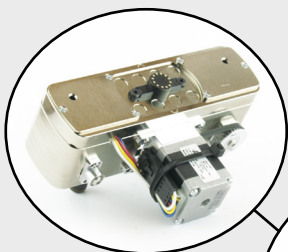
Independent Finger/Palm Tapping



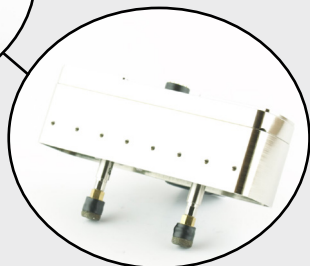
Fast Tapper



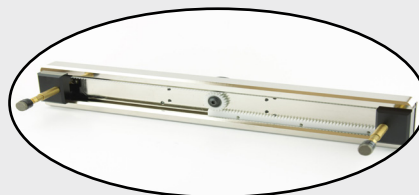
Force Sensing



Smart Pinch/Zoom



Large Pinch/Zoom



Stylus



WHY WE EXIST

Our client's success is the reason we exist so we do everything in our power to ensure their success.

HOW WE HELP

By providing automated solutions to reduce waste from development through production of displays.

OUR VALUE PROPOSITION

Tactile Automation, Inc. is an engineering services firm based near Seattle, WA specialized in designing and manufacturing custom test and measurement equipment. We use our expert mechanical and electrical knowledge to build electromechanical systems used for testing touch sensitive devices from component to device level for companies developing technology for the consumer electronics industry. Our systems have helped our clients replace up to 5 human testers! The pain alleviated by replacing humans with machines is not limited to but includes more accurate test results, reduced testing time, significantly lower operating costs, and the ability to reallocate your people to tasks that cannot be automated.



OUR STRENGTHS

Speed: We respect your time-to-market schedule. We solve problems quickly, accelerate the design & build process, and deliver your products on time.

Unfailing: When the product has to work the first-time, every-time, we are the one company you can count on.

Service: We understand the importance of high quality service and guarantee we treat you the way you deserve from the moment you first contact us.

NOW WHAT?

Today is the day to join the automation revolution. Your company will remain competitive by automating all you can. If you're unsure where to start or would rather delegate, that's exactly why we exist, to help you. Reach out to us today for your free demo of how our products or services can significantly benefit you!