



Automated Gauging Systems

Accelerate your deployment of QC gauging, part handling, and data logging in high-mix, small-batch manufacturing

Improve process control, yield, and throughput in QC
Automate digital data collection



Deploy fast with minimal changes to existing facilities and process flow

Rapid change-over for large mix of parts

Collaborative robots for DIY automation

Q-Span Gauging Systems automate part handling and gauging of critical dimensions on manufactured parts in high-mix, small-batch manufacturing. These mobile robotic workstations enable do-it-yourself (DIY) automation for QC inspection. Each workstation is configured for your application with:

- A CRX collaborative robot from FANUC
- Innovative smart grippers/calipers
- Other standard gauges
- Teachable "plug-and-produce" software

Automate existing manual gauging tasks

Pick, measure, sort, place with one easy-to-use system

Q-Span Systems automatically **pick** small parts, use automated gauges to **measure** multiple features on each part, and sort or **place** each part based on any measured dimension (e.g. pass, fail, or sort into bins by ranges). Q-Span Systems automatically **record** all measured data to a PC for statistical analysis.

Automating tedious manual gauging tasks, Q-Span Systems improve measurement consistency, repeatability, and throughput while eliminating data entry errors. They free your QC team to do higher-value work, boosting productivity and employee retention.

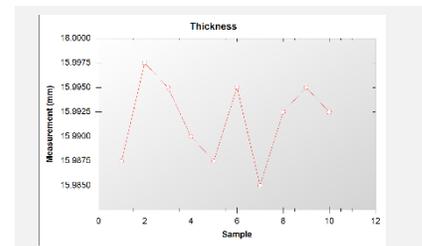
Q-Span Systems are easy for your in-house QC team to learn, use, and reconfigure as your product mix and gauging needs change.

Featuring the **FANUC CRX Robot!**



Incorporate high-accuracy probes with **resolution of 0.1 μ m** for heights, thicknesses, ODs and more

The Q-Span System's NSR-PG Grippers are equipped with fingertips to function as **digital calipers** or **material handling devices**



Record data for multiple dimensions in one consolidated digital data format

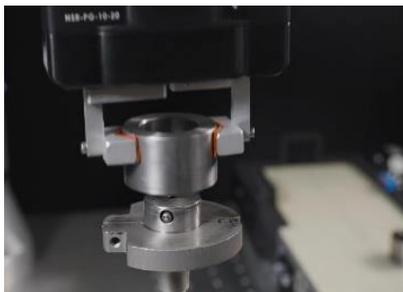
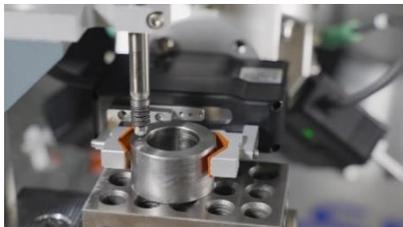
Your qualified gauges – automated!

Use this flexible robotic workstation to automate your existing manual inspection technologies. A Q-Span System can incorporate your preferred metrology tools, from nearly all your trusted and approved suppliers.

We work with contact and non-contact inspection tools including:

- Calipers
- Thread gauges
- Height or drop gauges
- Bore gauges
- Go/no-go gauges
- Air gages
- Vision systems
- 2D telecentric profilers
- Laser micrometers
- And more...

Incorporate your existing gauges



Take control with easy, intuitive, programming. We deliver your Q-Span Workstation with programs, gauges, and fixtures to inspect your first few parts. We train your in-house QC team to reprogram and redeploy the system themselves, for unlimited additional parts and projects.

Fast setup, fast change-over, max flexibility

We deliver your Q-Span Workstation with the gauges and programs you need to inspect your first few parts.

Then we train your team take over!

The FANUC teach pendant with drag-and-drop programming makes it simple for non-specialists to build processes and robot programs for additional parts. You may need part-specific fingertips, trays, and fixtures.

Once you have built processes for your parts, change over between parts takes only a few minutes.

Full payback in less than a year

Through reduction in labor cost alone, most manufacturers realize full payback on their investment in 10 months.

Contact us for a free assessment.

New Scale
Robotics

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