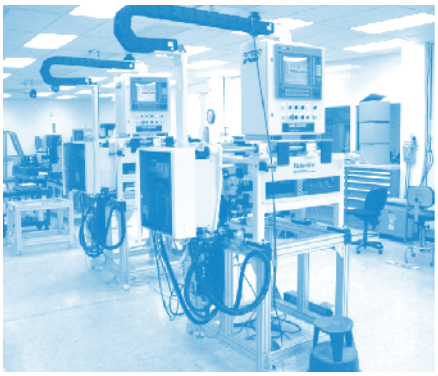
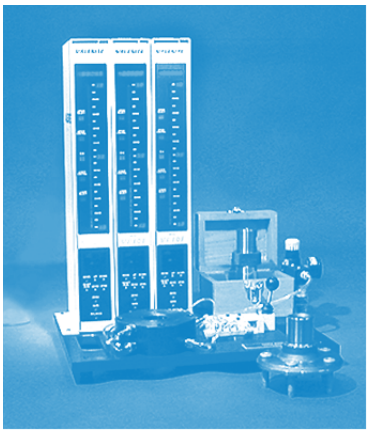
Gaging Systems

Valenite produces world class measurement solutions for a broad range of customers in the automotive, Heavy Equipment, Farm, Defense, and Consumer Product's Industries.

The success of these products combined with a heavy emphasis on product research and development opened up markets, which today forms the nucleus of Valenite's world class gaging capability.

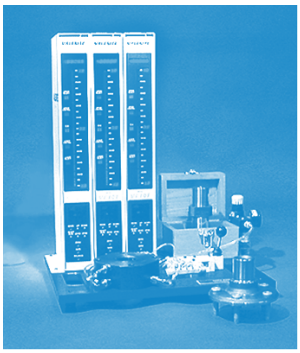
For more information, contact your Valenite Sales Representative or Gaging Systems Customer Service at ***1.800.624-8489***





Hand Gages

Valenite Gaging Systems is your total capability service for design and build of custom and standard hand gages. All of the gages are manufactured to the highest standards. Every gage is checked in our inspection lab to assure our customers that they are receiving the highest quality product.

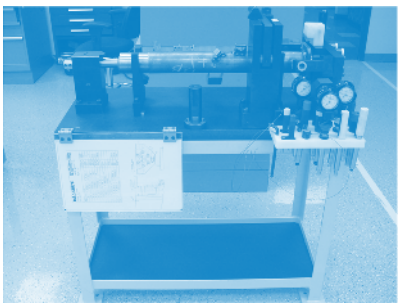


Fixture/Bench Gages

The same capability is available for the custom design and build of fixture/bench gages. These gages can be functional, variable, and/or a combination of both. Every gage is designed for ease of use and reliability. Just like hand gages - every fixture is quality inspected & certified in our state of the art calibration lab.

Stand Alone Fixture Gages

Larger parts require stand alone fixture gages. Unlike CMM,s, these gages are usually located near the machining process and provide quick feedback to the operator to let him know that the tooling is setup properly. Valenite Gaging Systems can provide custom design and build of these types gages for all type of parts.

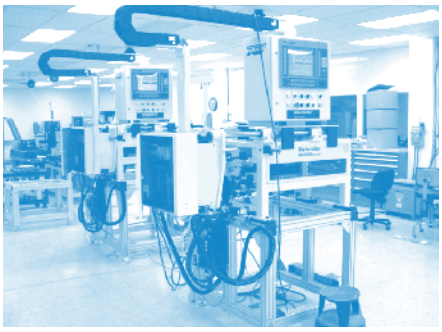


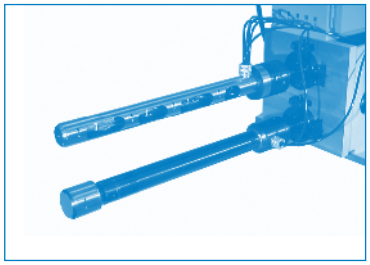
Gage Stations / Benches

Valenite has been providing customers with complete gaging solutions. Part of this is the ability to store the hand gages and fixture gages on a bench or stand. The benches supplied include custom designed storage to provide a specific tagged position for each gage. Training aids can also be placed on the back of the bench to provide the operators with clear procedures on inspection of parts.

Automatic and Semi-Automatic Gage Machines

Valenite Gaging Systems is a premier designer and builder of automatic gage machines. Many of these machines are in-line and check features of high volume parts. Other systems are loaded by robots and gantry systems to provide a complete automated solution for inspection. These systems are also capable of providing feedback to the machine to provide a closed looped process thus enhancing the productivity of the system.



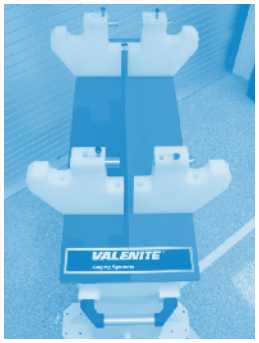


In-Line Gages

In-line gages historically have been the trade mark of Valenite Gaging Systems. Working with machine builders to provide the best solution for part inspection and in some cases feedback is one of our key strengths. Measurement with contact probes or non-contact air can be provided depending on the customers needs.

Tool Setting Gages

Valenite's tradition of expertise with tooling naturally led to offering our customers tool setting gages and fixtures. Whether you are setting up a tool in or out of the machine Valenite Gaging Systems has a solution.
We offer simple dial indicator units al the way up to high resolution camera based systems.



Tool Carts and Trays

Custom design and build of special tool carts and stands is another service Valenite Gaging Systems has to offer our customers. If you want to get a heavy tool in position and make it easy to load into the machine we can provide a solution to make the job easier and safer. Plastic color coded trays for storing fresh or worn tools is another unique product offering from Valenite.

Manufacturing

Valenite Gaging Systems and Modco share one of the best manufacturing facilities in the Detroit area. With its wide range of machining capability and expertise in producing close tolerance details, you can be assured that your gage will last for years.

Calibration / Inspection

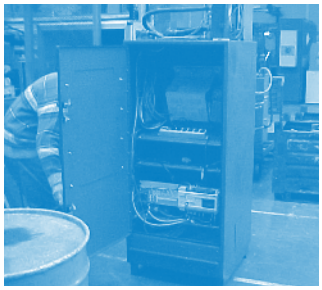
Utilizing state of art equipment - Valenite Gaging Systems offers custom tailored calibration and certification services. Whether it's one caliper or a 1,000 we are your one stop source. Our metrology lab's statistics are as equally impressive. Possessing a dual environmental monitoring system and incorporating an airlock door entry, this lab is rated at 68° ±1° Fahrenheit, with relative humidity controlled to below 50%.

Full Service / Repair

Valenite Gaging has the experience and know how to service your equipment, 24/7/365 by dialing 1.800.624.8489.

Valenite maintains a staff of Gaging service specialists within the Midwest to support your critical down time issues.

To further enhance manufacturing up time, service contracts custom suited to your needs are available.



Tool Compensator

Valenite Gaging Systems produces the best compensators in the industry - would you expect anything less from the pioneers in this field. Our new servo controlled compensator provides state of the art tool control. These units complimented with our gages can provide a closed loop tool control system to significantly increase production of quality parts. Whether you are generating a feature or finishing a bore we have the solution for you.

Instrumentation

Valenite Gaging Systems is unique in that we have a wide variety of instrumentation to meet the needs of our customers.

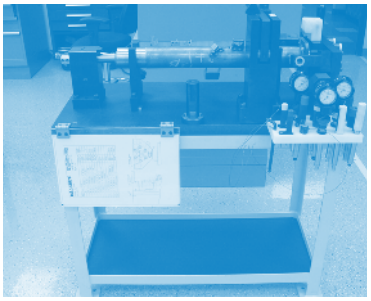
The 767 Gage Computer with our exclusive Windows based software is one of the industries most powerful gage instruments. It can accept a wide variety of inputs and can directly control our tool compensator as well as provide feed back to transfer and CNC machines. Data collection, networking, SPC, machine control, on screen training videos, are just of few other features of this unit. In addition to the standard SPC package an SPC enhanced version of the 767 is also available with the Q DAS family of SPC products.

The VE810 is a low cost high feature unit that can accept eight inputs. With its color display, SPC, and user configurability it makes it an ideal solution for many applications.

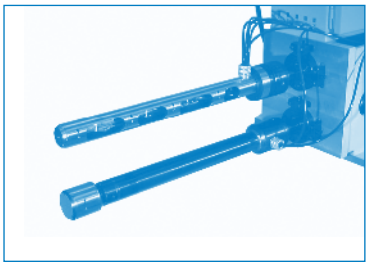
The VE101 / VE111 is high feature column instrument that can store nine programs. The VE110 accepts probes and the VE111 with its built-in air converter can connect to air spindles or rings.

The VE21 features a full range of operation from 0.0001" to 0.1" as well as RS232/RS485 ports for serial communication. Key features include: Easy setup featuring a " SMART " gain/zeroing function, power up self diagnostic test, analog input and outputs, optional Windows application offers an enhanced interface for configuration, programming, save and restore operations.

The VE03 Air Electronic Converter has been designed with features that rival our competitors products. It is sealed to keep dirt and coolant out. This unit works in conjunction with our 767 Gage Computer.



Stand Alone Fixture Gages



In-Line Gages

767 Gage Computer

Tool Setting Gages

Tool Compensator

VE21 Column

Calibration/Inspection

VE101/VE111 Column