



STOTZ®

Leader in Air Gaging Technology for Over 60 Years



ADVANCED
MACHINE & ENGINEERING CO.

Complete Air Gaging Solutions



Stotz has been a leader in gaging technology for almost 60 years. They design, manufacture and sell air-electronic gages and control devices. They are constantly striving to improve their designs and develop new products to solidify their position as a leader in new measuring technology. Numerous patents within the last few years have solidified their position as a trendsetter for new measuring technology and pneumatic measuring systems. Their diverse customer base covers many industries, including manufacturers and suppliers to the automotive, aerospace and medical industries.



MLS

Stotz's low cost solution to precision gaging. It has one air channel, with fast calibration, SPC output, and can hold 4 programs.



MRA

The MRA is the ultimate control solution. With all the same features of the MSG and beyond. The MRA can have up to 16 built in air or electronic channels, 12.1" touch screen control, and Windows based software. SPC program built-in.



MSG

The MSG is the control solution when you need more. With the same features as the MLS plus; fully customizable screen, ability to hold 99 programs, networkable, web page output, digital and analog I/Os, up to four built in air channels, and so much more.



PEW

The Pneumatic Electronic Transducer PEW is an air to electronic converter, used to output dimensional changes in integrated systems. Voltage output +/- 10 Volts. 250 ms response time.

Typical Applications



Automotive:

- > Fuel Injection Components
- > Transmission Components
- > Steering Components
- > Engine Components
- > Connecting Rods
- > Crankshafts
- > Camshafts
- > Valve seats



Aerospace:

- > Engine Components
- > Hydraulic Components
- > Bearings
- > Precision Diameter



SPW

The Rapid Pneumatic Electronic Transducer SPW is an air to electronic converter, used to output dimensional changes in integrated systems. Voltage output +/-10 Volts. 30 ms response time.



Air Jet Rings

Stotz produces air rings and snap ring style gages for both thru and close shoulder styles. Air rings are typically offered with 2 air jets positioned 180° apart. They can also be made with 3, 4, or 6 jets depending on the application. Master Setting Discs are offered in X, XX, and XXX classes and available in steel, chrome, or carbide.



DSPW

The Digital Rapid Pneumatic Transducer DSPW is an air to electronic converters, used to output dimensional changes in integrated systems. Digital Output via Ethernet, Profibus, or Canbus. 40 ms response time.



Tapered Probes/Rings

Stotz specializes in taper probes and rings to measure HSK, CAT, BT, Big Plus, and many other toolholders and spindles. Other tapers for other applications can be manufactured on request.



Measuring Systems

Stotz specializes in designing and manufacturing customized measuring stations for customer specific applications. This can range from manual to automatic loading/ unloading and can be completely customized for your application and requirements.



Electronic Gages (LVDT)

In addition to air gaging, Stotz also uses electronic gages (LVDT's). These can be used in conjunction with air gages or as a complete electronic gaging device.



Air Jet Probes

Stotz produces all the various types of air probes such as open jet, ball jet, and leaf jet style gages for both thru and blind bores. Probes are typically offered with 2 air jets positioned 180° apart. They can also be made with 3, 4, or 6 jets depending on the application. Multi-stepped probes are also available. Master Setting Rings are offered in X, XX, and XXX classes and available in steel, chrome, or carbide. Very small probes to 0.6 mm are also available.



Medical:

- > Hip Stems
- > Surgical Screws
- > Surgical Equipment
- > Dental equipment

Toolholder & Spindle Manufacturers:

- > HSK
- > CAT
- > BT
- > Morse
- > Big Plus – Big Kaiser
- > KM – Kennametal
- > Jacob
- > Collet Chuck Taper Sleeves



Innovative People, Products and Processes

At AME, innovation is part of our culture. You can see the result in our processes, partnerships, people and services—and in the precision engineered components, machines and services showcased here. To learn more about AME and our innovative approach to precision machining, please call **815-962-6076** or visit **www.ame.com** today.



Perfect Machine Protection. For 50 years, AME's sister company, Hennig, has been designing and producing custom machine protection and chip/coolant management products for state-of-the-art machine tools. Hennig products are reliable, durable, and perfectly tailored to protect against corrosion, debris and common workplace contaminants. There's no better way to protect your investment on the shop floor. Visit **www.hennigworldwide.com**.

||||| HENNIG
perfect machine protection

