

The Vision Press©

.....April 2016 Edition

Vision Quality Components, Inc

Quality Powder Metal Components Made in the USA



Customer Integrity
Employee Commitment
Manufacturing Excellence
Community Partner

Quality Components, Inc.

The Powder Metal Process

Wondering how the powder metal process works? The following is an outline of steps **Vision Quality Components** take in the development of a new product.

1.) *Team Meeting*

After the quotation has been submitted to the Customer and a Purchase Order has been placed with Vision for the tools and samples, all new projects begin with an internal team meeting. At this meeting print requirements, review of the materials, process requirements and an extensive quality plan are discussed.



2.) *Obtaining Raw Material*

The raw material chosen will be ordered so delivery can be assured in time for receipt of the tooling. Iron, Steel Alloys, Soft Magnetic Alloys and Stainless Steel are just a few of the options we offer.



3.) *Compact/Press into Mold/Die*

When the tools and raw material have passed inspection the compacting tools will be set up in the appropriate press and samples compacted to meet our processing requirements. When the inspection of the “green parts” are signed off by quality they are ready for the next processing step.



4.) *Sintering*

To begin the process of developing the components size and physical properties, the next step is sintering. The components are subjected to “temperature” and “time at temperature”. The main attribute of sintering is the bonding of the metal particles together to give the component its strength and sintered hardness.

The Vision Press is a Vision Quality Components, Inc Publication

1433 Industrial Park Road, Clearfield PA 16830

Sales: Lesley Kline 814-765-1903 lkline@visionqci.com

Dennis Johns, President---- Robert Aleksivich, VP of Engineering ---- Fred Billotte, Director of Quality

The Vision Press©

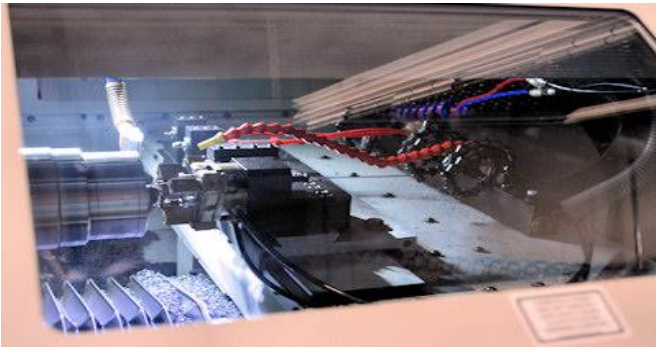
.....April 2016 Edition

Vision Quality Components, Inc Quality Powder Metal Components Made in the USA



5.) *Secondary Operations*

At Vision Quality Components we machine both heat treated and non- heat treated parts. We also offer steam treat, plating, oil impregnation and vibratory deburring. Not all components need a secondary operation as many are produced to size as required by the customer.



6.) *Quality Inspection*

Vision believes the component quality is built throughout the entire process. All parts must pass a final quality inspection as outlined in our Quality Plan, which is developed for each component we manufacture. We produce components to very close tolerances which require up-to-date lab and test fixtures.



7.) *Packing and Shipping*

When the finished components have passed our final inspection they are sent to our packing and shipping department where they are properly packed per the customers' requirements.



Vision is very proud of our on-time delivery and quality performance in the Powder Metal Industry. Our scrap rate is one of the lowest when compared to our competitors. **VISION HAS BEEN WORKING VERY HARD TO BRING SERVICE BACK TO OUR INDUSTRY.**

The Vision Press is a Vision Quality Components, Inc Publication

1433 Industrial Park Road, Clearfield PA 16830

Sales: Lesley Kline 814-765-1903 lkline@visionqci.com

Dennis Johns, President---- Robert Aleksivich, VP of Engineering ---- Fred Billotte, Director of Quality

The Vision Press©

.....April 2016 Edition

Vision Quality Components, Inc
Quality Powder Metal Components Made in the USA

Performance Metrics

On Time Delivery Performance

Vision is extremely proud to report our 1st QTR 2016 on-time delivery performance of **100%**.

We work very hard to make sure we have product to you on time – EVERY TIME!

Survey Results

Surveys are sent out each quarter to our customers asking how we are performing as a vendor. This feedback is valuable to us and we thank you for completing and returning this information to us. The 1st QTR 2016 results show that Visions's customer satisfaction is exceptional with no issues or concerns from our customers.



Lesley's Notes

We are continuously making improvements and updating our website. Please take a few minutes and have a peek!

www.visionqci.com

We sincerely appreciate our relationship with all our suppliers and customers. We know that those relationships are vital to ^{you} our success.

SPRING HAS SPRUNG!



Denny, Bob, Fred, Matt, Linda and Lesley

The Vision Press is a Vision Quality Components, Inc Publication

1433 Industrial Park Road, Clearfield PA 16830

Sales: Lesley Kline 814-765-1903 lkline@visionqci.com

Dennis Johns, President---- Robert Aleksivich, VP of Engineering ---- Fred Billotte, Director of Quality