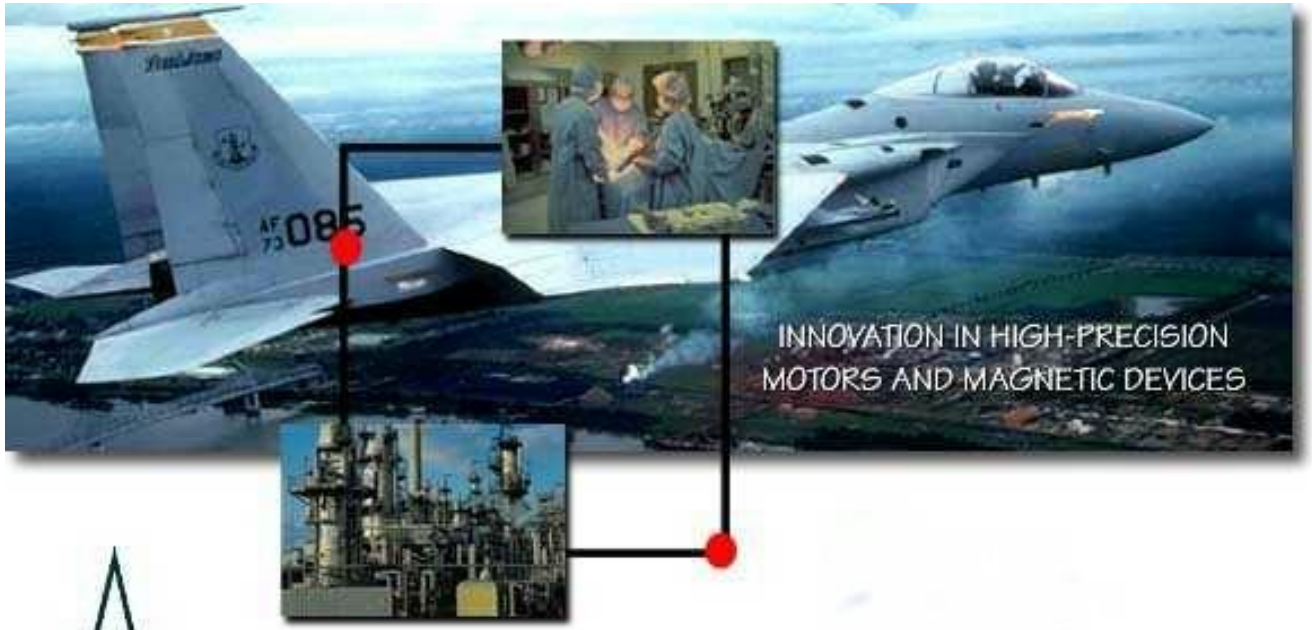
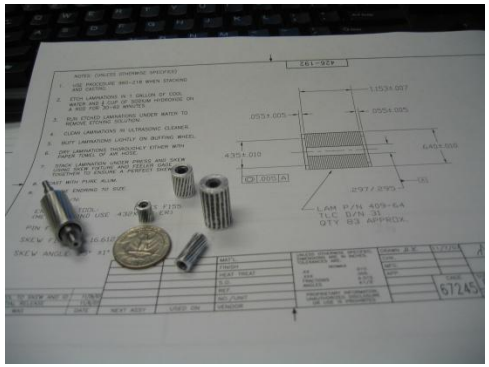
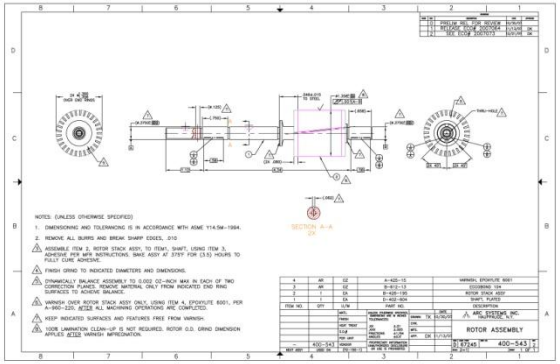


ARC SYSTEMS INC.





ISO 9001:2008 Certified

Over 4 Decades of Experience in Custom Precision Motion Control

ISO 9001
REGISTERED FIRM

Registration Certificate

This document certifies that the administration systems of

ARC Systems Inc.

2090 Joshuas Path, Hauppauge, New York 11788-4764

have been assessed and approved by QAS International to the following management systems, standards and guidelines:

ISO 9001:2008

The approved administration systems apply to the following:

Design, development, manufacture, supply and repair of specialty motors and components.

Original Approval	12th August 2003
Current Certificate	12th August 2012
Certificate Expiry	12th August 2013
Certificate Number	A1978US

On behalf of QAS International

www.qas-international.com

This certificate remains valid while the holder maintains their quality administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International. The holder is entitled to display the above registration mark for the duration of this certificate. This certificate must be returned to QAS International on reasonable request.

Issuing Office: QAS Boston, 25 Burlington Mall Road, Suite 300, Burlington, MA 01803, USA

ARC Systems, Inc. was founded in 1967 to provide the aerospace industry with a dependable source for high-precision motor components. To meet the needs of this demanding market, ARC developed a unique team philosophy to be a fully integrated, completely self-sufficient facility.

ARC Systems, Inc. has over 40 years of experience in customized manufacturing for the following industries:

- Process Control Equipment
- Power Plant Instrumentation
- Telecommunications
- Geological Instrumentation
- Aircraft Instrumentation
- Helicopter Navigation
- Marine Equipment
- Medical Equipment

ARC SYSTEMS INC.

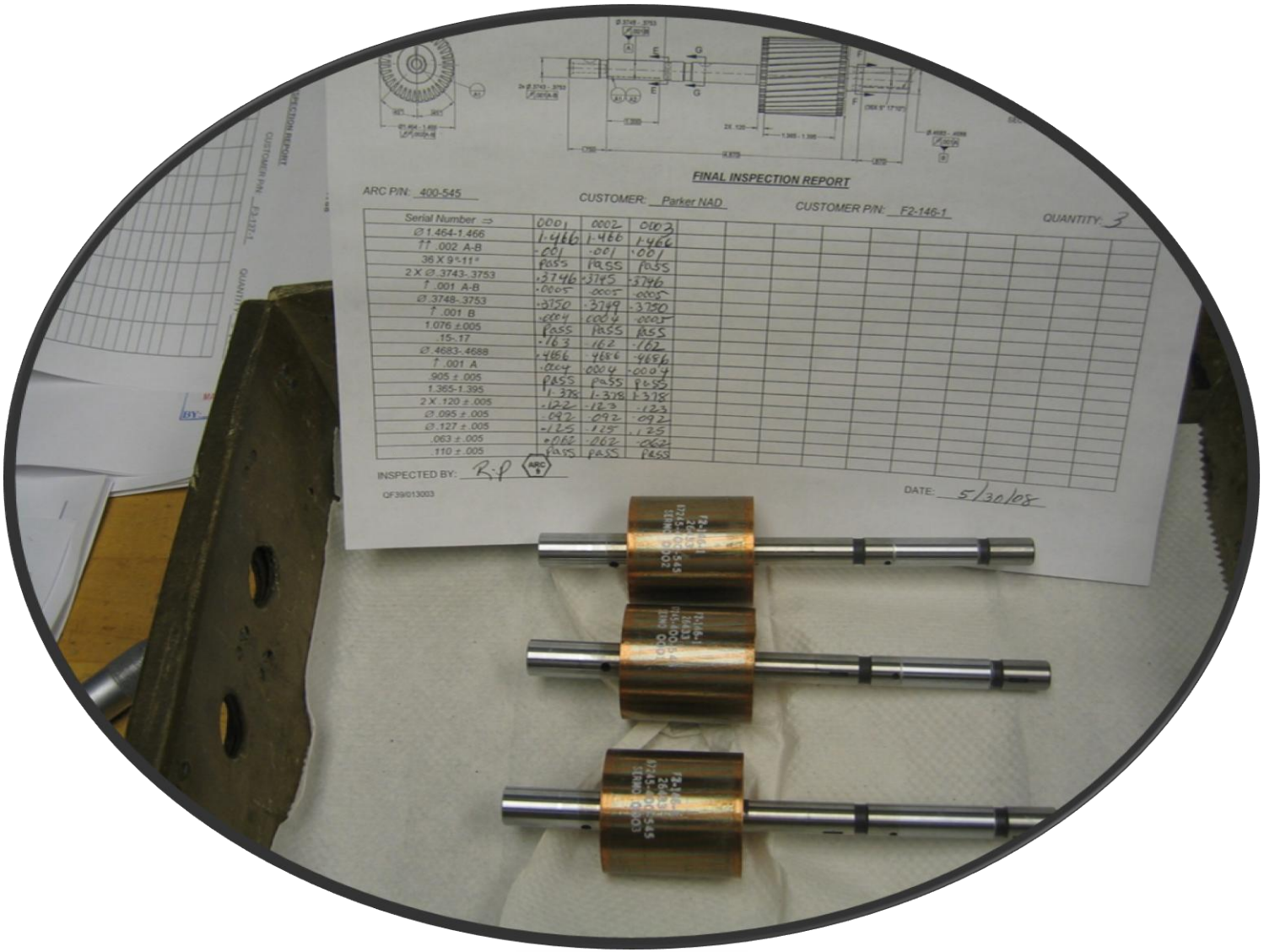
ARC Systems, Inc. provides the complete support you need in today's competitive environment, from initial engineering development through after market. We can assist you in your electromechanical motion control evolution.

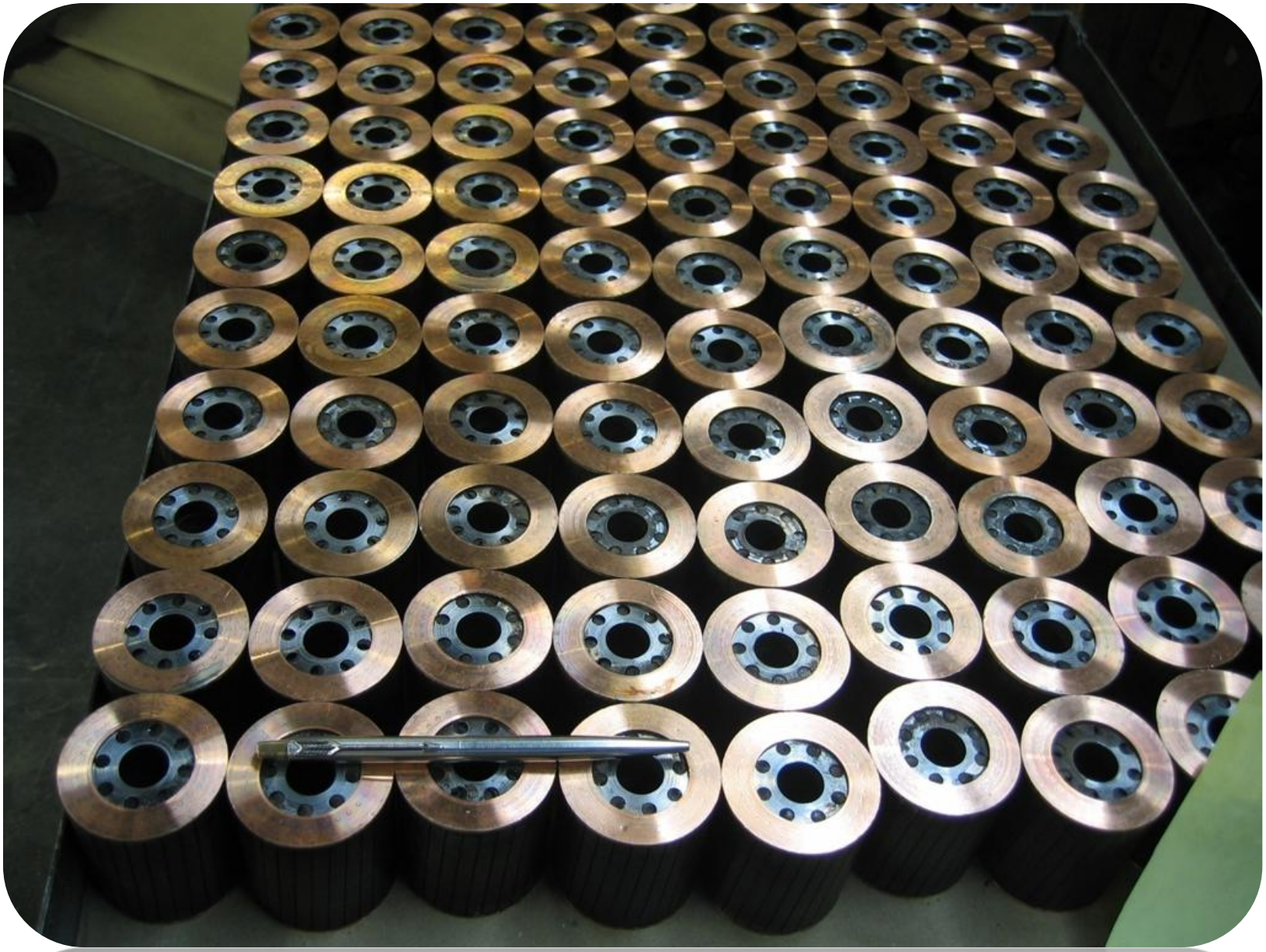
We are proud of our history of supplying HIGH QUALITY motion control components and rotor assemblies to our Customers. Our philosophy is based on a trained staff supported by a qualified dedicated Quality Team. ALL of our Team Members are COMMITTED to CUSTOMER SATISFACTION. Our continued ability to supply products to our customers on time is a testimony to the quality and service we provide, which is the foundation of ARC Systems, Inc. philosophy.

We can provide:

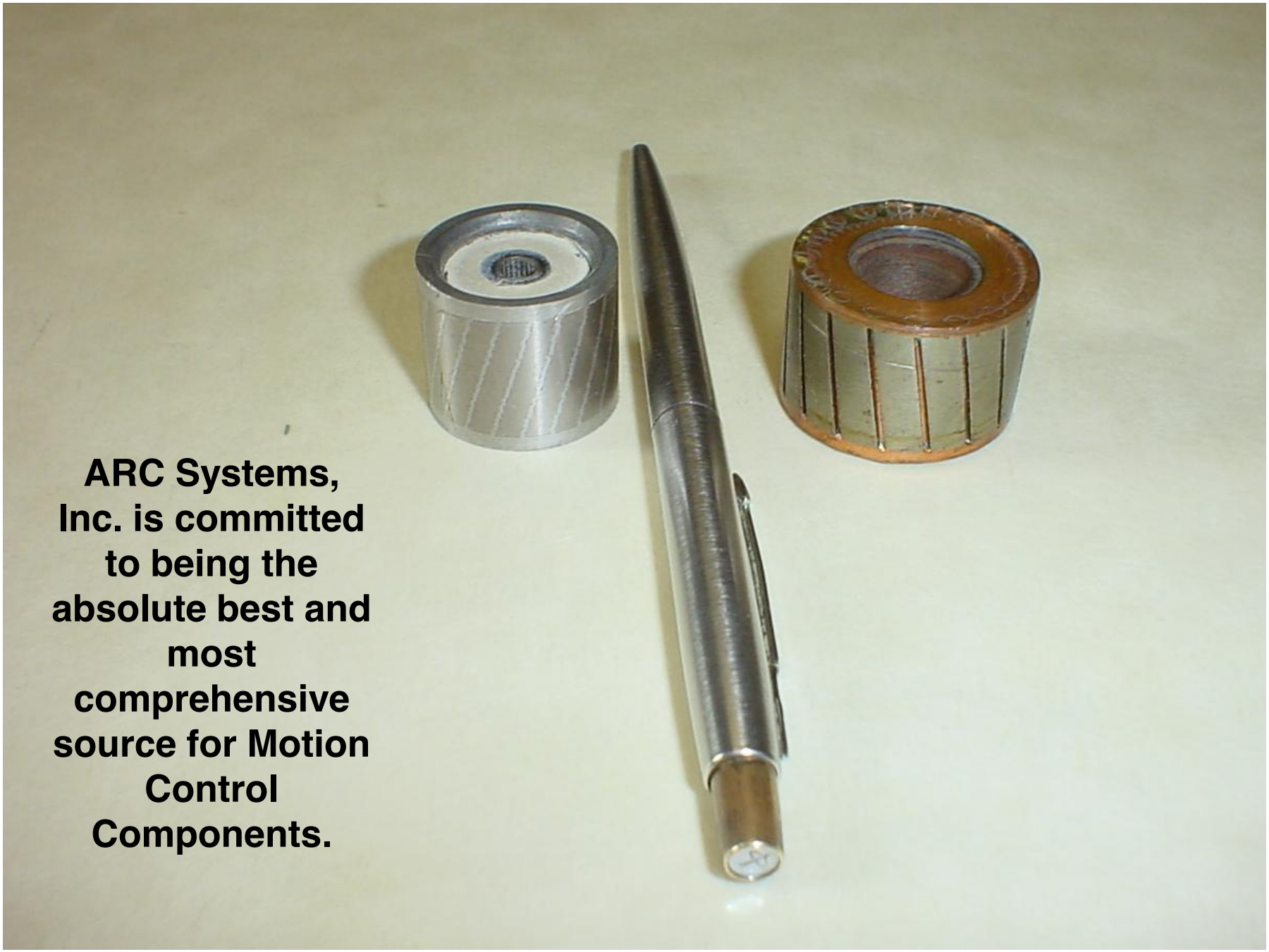
- **Cast Aluminum Rotors**
- **Copper Bar Rotor Cores**
- **Rotor Shaft Assemblies**
- **Rotor Shaft and Bearing OD Precision Grinding**
- **Rotor Balancing**

ARC Systems, Inc. manufactures squirrel cage rotors utilizing both molten aluminum and copper bar. Our rotors are stacked and skewed utilizing highly designed stacking tools and skew fixtures. Our in house machining capabilities enables us to grind/machine rotor castings to your required size and tolerances.

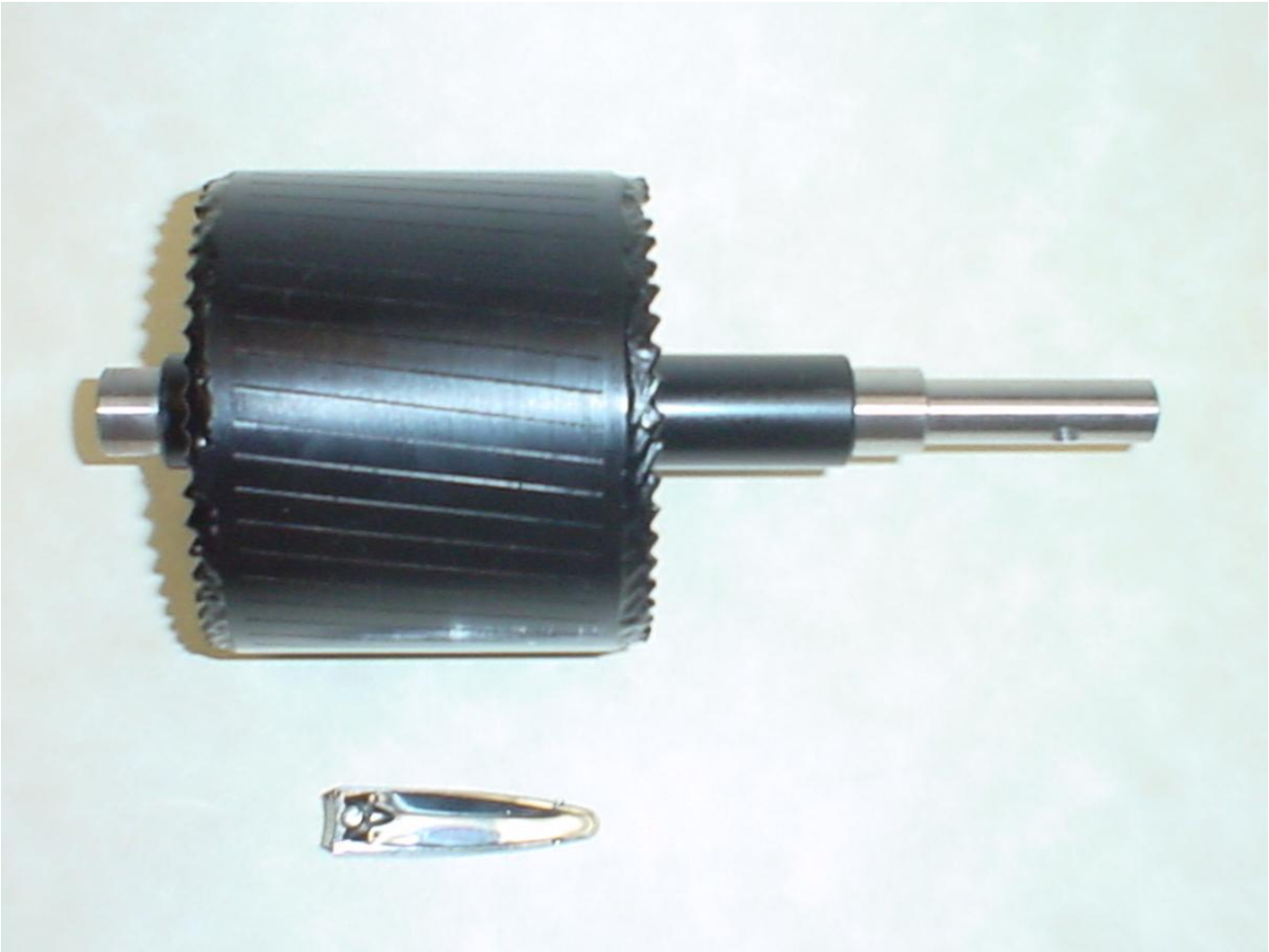




ARC Systems, Inc. offers rotor castings to be assembled on shafts and ground as kits to become an integral part of your assembly.

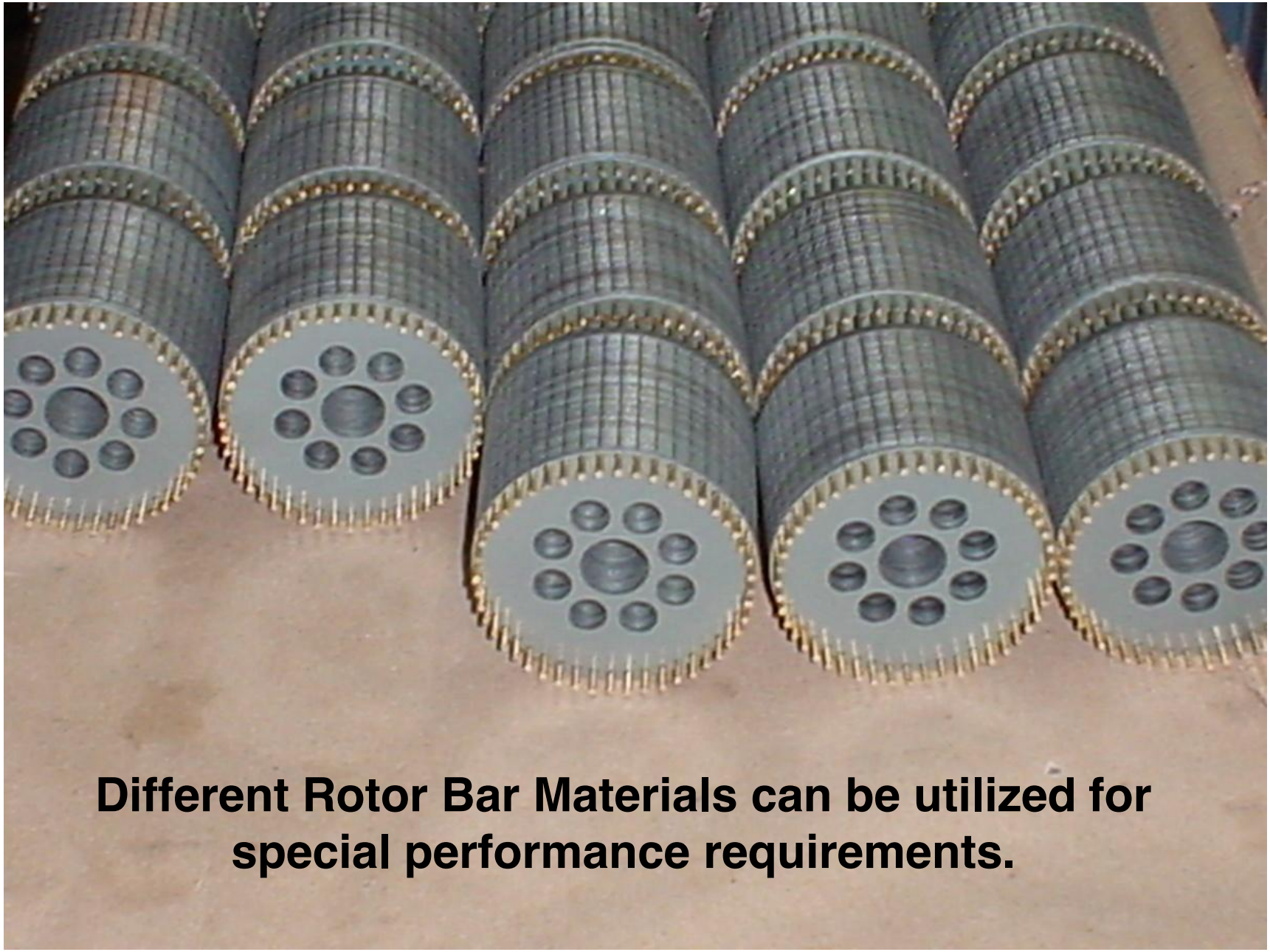


ARC Systems, Inc. is committed to being the absolute best and most comprehensive source for Motion Control Components.



Every Year ARC Systems, Inc. supplies thousands of motor products for the military, commercial, and aerospace industries.

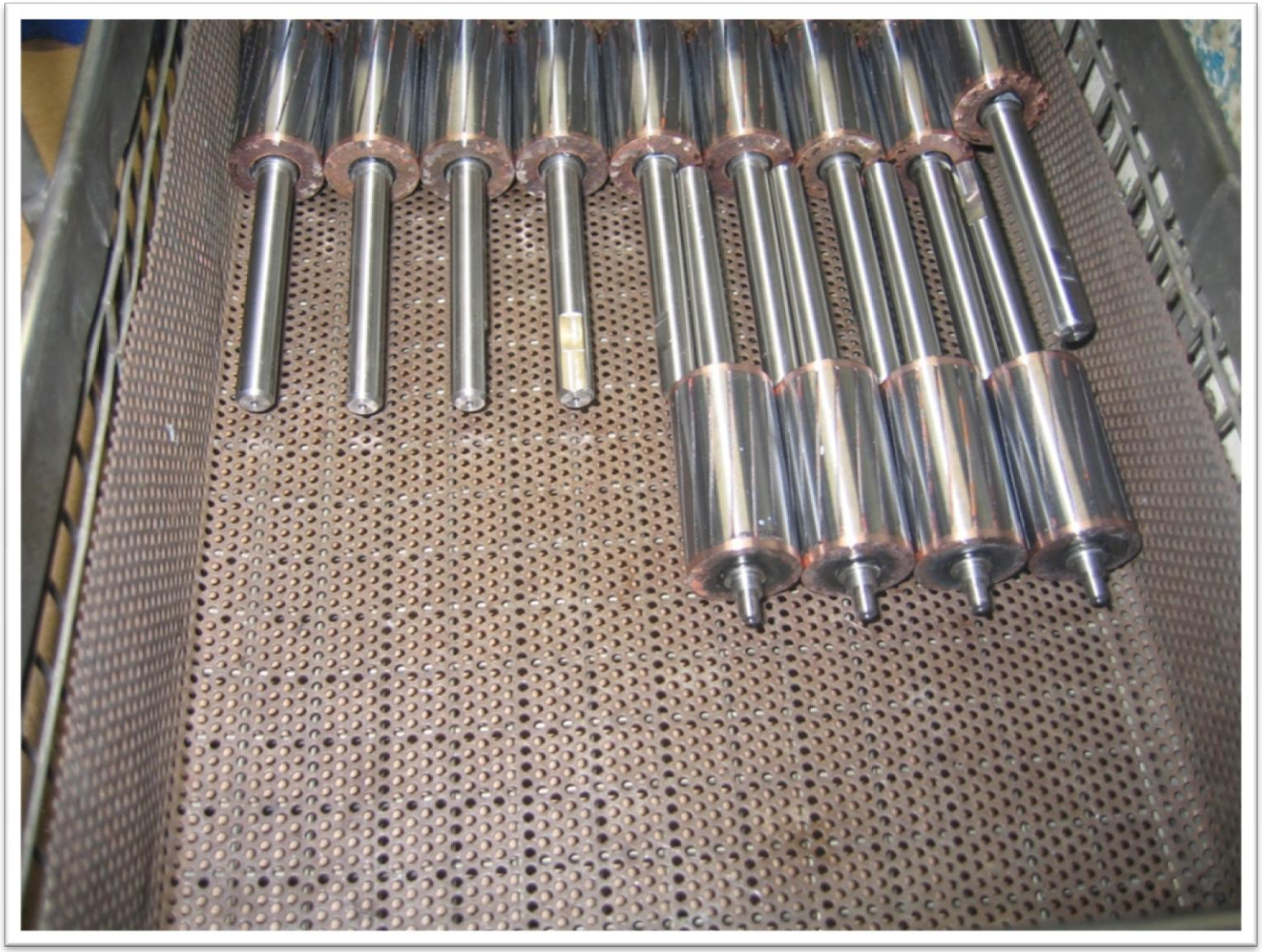
Speed and torque can be tailored to individual requirements by changing the conductivity of the rotor bars.



Different Rotor Bar Materials can be utilized for special performance requirements.

Our engineering and manufacturing experiences enable us to respond quickly and reliably to any design specification.

ARC Systems, Inc. provides excellent customer service by designing, manufacturing, and shipping the products ourselves, rather than relying on a distributor.



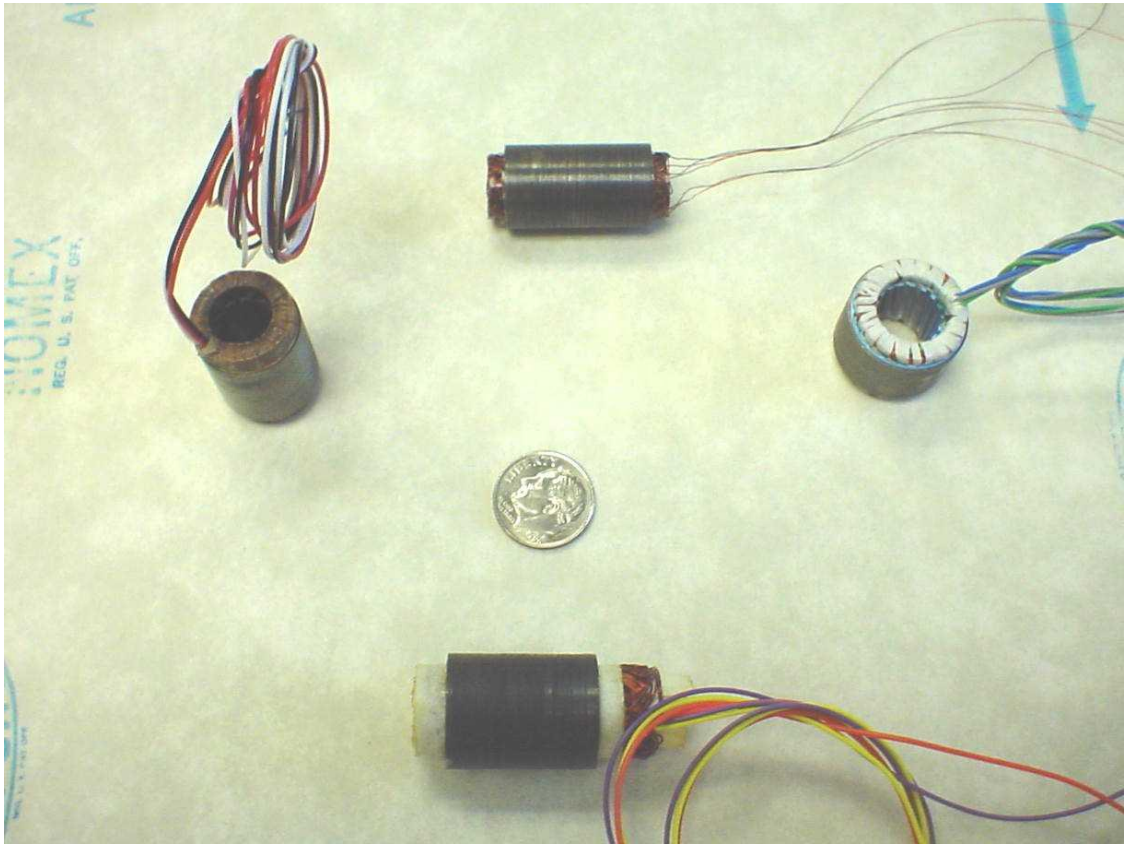
Our internal capabilities, such as vacuum impregnation, precision bonding of aerospace laminations, multi-helix angle skewing capabilities, and powder coating, provide low cost solutions for our customers.

ARC Systems, Inc. can also offer stator and rotor components as kits to become an integral part of your assembly, saving space and reducing weight.

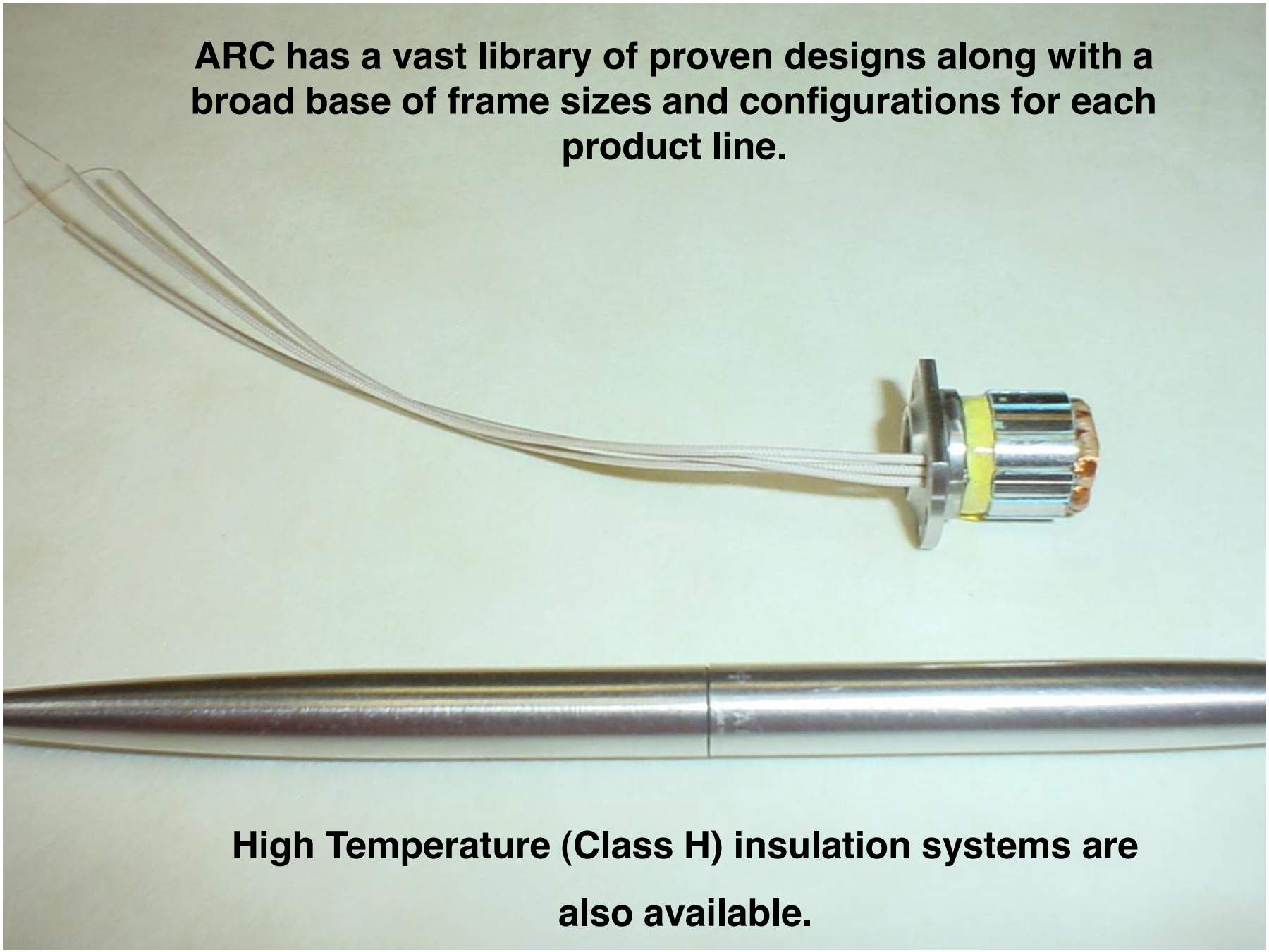
Capabilities

- ♦ Potting
- ♦ Vacuum Impregnation
- ♦ Grinding
- ♦ Honing
- ♦ MIL-STD-2000 Soldering

Along with our unique manufacturing processes, our internal capabilities provide low cost solutions for our customers. Build to print or custom windings are ARC's specialty.



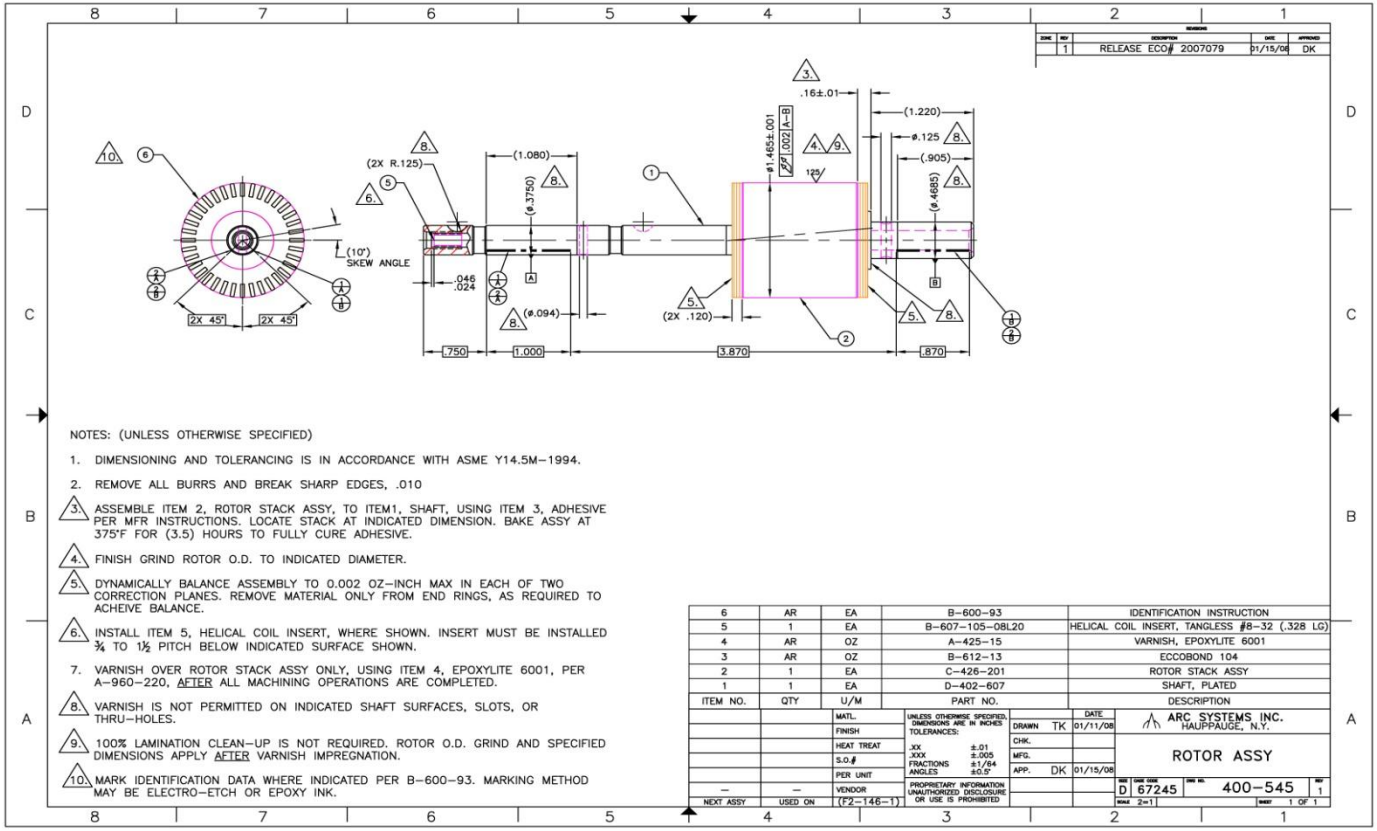
All laminations are stacked utilizing designed stacking tools and fixtures. ARC Systems, Inc. is truly one of the few remaining, totally integrated, suppliers of specialty custom windings in the electromechanical motor and components industries. Our in-house machining capabilities enable us to grind/hone stacks to .0002" tolerances on both Outer Diameter and Inner Diameter. If the application demands, closer tolerances can be achieved.


ARC has a vast library of proven designs along with a broad base of frame sizes and configurations for each product line.
High Temperature (Class H) insulation systems are also available.

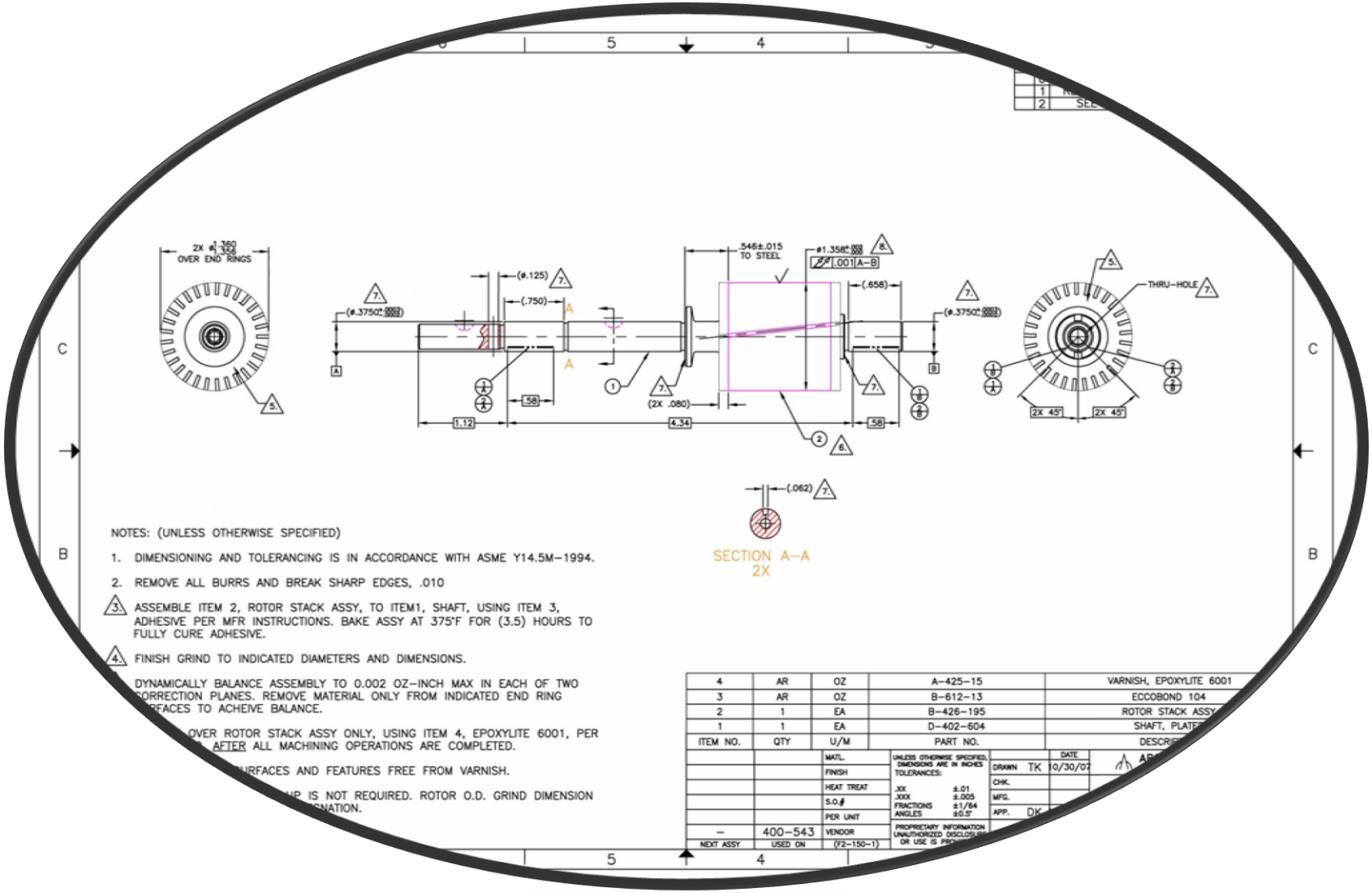
Our engineers interact continuously with our customers from concept through manufacturing.

ARC's ability to wind and insert applications where the quantities are not large enough for automatic assembly lines distinguishes us from other companies.

We can provide equipment built to existing drawings or by working concurrently with your engineers, we can provide custom design products to your specification. Let us be your contract manufacturer for aerospace actuators, assemblies, and motion control components. Build to print offers our customers assembled, fully tested, and ready-to-install precision mechanical and electromechanical assemblies.



Our engineers interact continuously with our customers from concept through manufacturing. We support our capabilities with a state-of-the-art Computer Aided Design (CAD) system and a proprietary magnetic design program that was specifically developed at ARC Systems.



WHEN IT'S GOT TO BE RIGHT THE FIRST TIME….

CALL ARC SYSTEMS, INC.

ARC SYSTEMS INC.

We are ISO 9001:2008 certified, and our ISO 9001:2008 procedures apply to all aspects of our organization. These procedures ensure that complete control is retained.
We are committed to providing our customers with Reliable, High-Quality Products, and service. We would be happy to discuss your needs at your convenience.

ISO 9001:2008
REGISTERED FIRM
Certificate no. US1978

on Quality

ISO-9001
CERTIFIED

AVAILABLE DESIGNS

- Rotor Castings
- Rotor Shaft Assemblies
- Induction Motors (Framed and Frameless)
- Servo Motors
- Brushless DC Motors
- Motor Gear Heads
- Winding Assemblies
- Kit Motors
- Fractional Horsepower Motors
- Hysteresis Synchronous Motors
- Actuators
- Motor Tachometer Generators
- Brakes and Solenoids

For more information and application assistance contact D. Kirk in our Engineering Department at: dkirk@arcsystemsinc.com

ARC Systems, Inc.

ISO 9001:2008 Certified

2090 Joshuas Path ♦ Hauppauge, NY 11788 ♦ Tel: 631-582-8020 ♦ Fax: 631-582-8038

Website: www.acrotorsbyarc.com & www.arcsystemsinc.com