One Hundred Years and Counting…
• Hansen Motor Corporation was founded in 1907 by Julius W. Hansen, a German immigrant who had moved to Princeton, Indiana in 1905.

• Julius W. Hansen was a jeweller and watch maker by trade.

• His first recognition came when he designed the first automatic bell ringing system at the request of a local high school principal. This innovative product launched Hansen Manufacturing Company, Inc.

• Today Hansen Corporation manufactures a variety of DC Motors, Synchronous Motors, Stepper Motors and AC Clock Movements used in applications for automotive, HVAC systems, instrumentation, office equipment, and medical equipment.
Company Statistics

- Sales: $26.5 Million
- 50% of Sales are outside the U.S.A
- Employees: 300
- Land: 13.5 acres
- Building: 143,585 Sq Ft (=13,340 m²)
- Motor production quantity: 5 million+ per year
- ISO 9001 and ISO-14001 Certified
- Statistic Process Control is inherent within all manufacturing processes
- 100% motor testing at factory
Hansen Motor Products

Synchron Motors

- AC line frequency synchronized motors
- Available in hysteresis and permanent magnet versions
- Extremely low cogging, quiet and smooth operation
- Available with or without gearbox (round or pear shaped)
- Proven quality & reliability
- World leader in “reset” and “timing applications”
- Over 4 million produced annually
- Custom voltages, speeds, outputs and lead orientations available

One Hundred Years and Counting...
Hansen Motor Products

**Brushed DC Motors**
- 1.6” and 2.1” diameter motors
- 12 & 24vdc
- Low cogging armature
- High starting torque
- Class B temperature rated
- Multiple standard gearbox options
  - Spur
  - Planetary (metal or plastic)
  - Worm (speak to EC sales contact)
- Wide range of customisation options to suit OEM needs
- Low cost and high volume manufacturing capacity
Stepper Motors

- Standard DC voltage 5, 12, and 24
- Standard AC voltage 24, 120, and 240 @ 60Hz (50Hz available)
- 7.5° or 15° available for DC voltage
- 300 rpm or 600 rpm available for AC voltage
- Unipolar or bipolar windings for DC voltage units
- Standard sleeve bearing construction
- Class B coil construction
- Step angle accuracy range between
  +/- 0.5° and +/- 1.0°
Spring Return Damper Actuators

**Acutators**

- Typically used in HVAC applications
- Simple 90° damper control
- Infinitely variable close position
- Stallable / spring returnable
- Whisper Motion™ Air Brake (very quiet operation)
- Uses Hansen Synchron technology and can use any Synchron voltage.
- Power Open / Power Close options available
- LED position indicators on PO/PC versions