



Our Vision & Mission



Vision:

Our Vision is to be the

- ❑ Most Trusted,
- ❑ Vertically-Integrated,
- ❑ Full-Spectrum,
- ❑ Superior-Quality

provider of Metal Components, Assemblies & Innovative Solutions.

Mission:

ASPC - an organization that is:

- ❑ Globally-oriented,
- ❑ Customer-focused & People-friendly,
- ❑ Community-minded & Environmentally-responsible,
- ❑ Operationally-excellent & Financially-successful,
- ❑ Continually-improving,

In its ability to provide innovative products & services to our customers.

Trusted for 69 Years!



- ❑ 1950 Foster Poe, our founder, purchased a 5-man spring shop
- ❑ 1960 Darell Moreland left a Chicago architectural firm to join ASPC
- ❑ 1975 Darell assumed the Leadership role of President / CEO
- ❑ 1980 Steven Moreland left Pratt & Whitney Aircraft to join ASPC
- ❑ 1996 Steve assumed the Leadership role of President / CEO
- ❑ 2000 ASPC built the Hayes Plant for Wire Products
- ❑ 2007 ASPC purchased TB & Company, a precision shim grinder
- ❑ 2008 ASPC opened a 44,000 square foot plant in Monterrey Mexico
- ❑ 2013 ASPC purchased the GRS&S 4-Slide Division
- ❑ 2019 ASPC added 16,000 more square foot to Monterrey Plant

Globally-Oriented



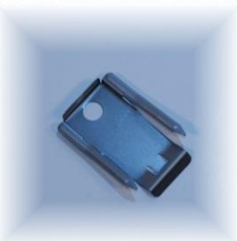
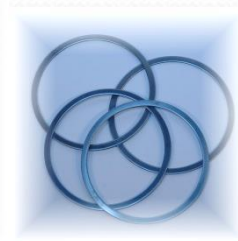
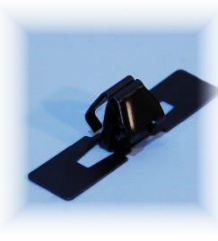
- ❑ 2018 Sales Over \$65,000,000
- ❑ Shipped to 33 Countries on 6 Continents
- ❑ 500,000,000 parts shipped last year
- ❑ North American Based Manufacturing with Global Reach
- ❑ 440 Employees (400 in US & 40 in Mexico)
- ❑ Top 5% of all North American spring companies
- ❑ Sell to Automotive, Office Furniture, Farm Implement, Construction, Small Motor & Other Markets

Customer-Focused



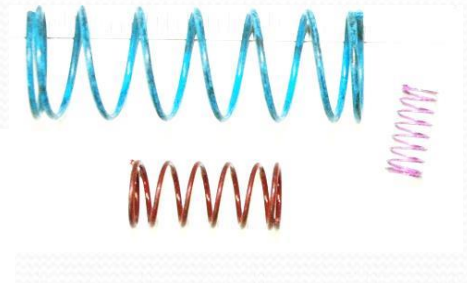
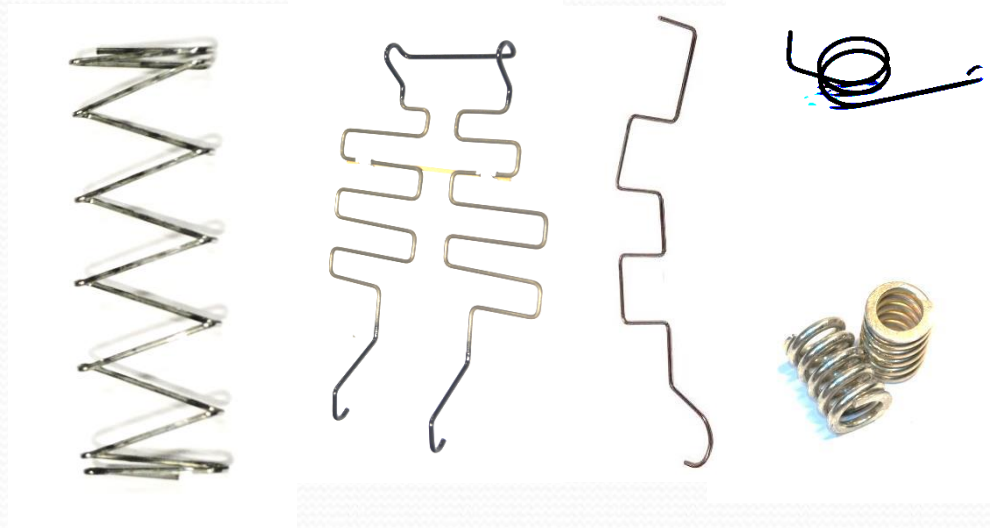
Grand Haven – Taylor Plant

- ❑ 110,000 Sq. Ft. – Flat Products Plant
- ❑ R & D / Technology / Tooling / Prototypes
- ❑ Mutli-Slide Forming & Stamping to 200 Ton
- ❑ Heat Treat – Austemper, Oil Quench & Temper
- ❑ Controlled Shot-Peening & Tumble Deburring
- ❑ Automated Zinc Phosphating & Oil Finishing
- ❑ Precision Double Disc Grinding
- ❑ Welding, Staking & Assembly



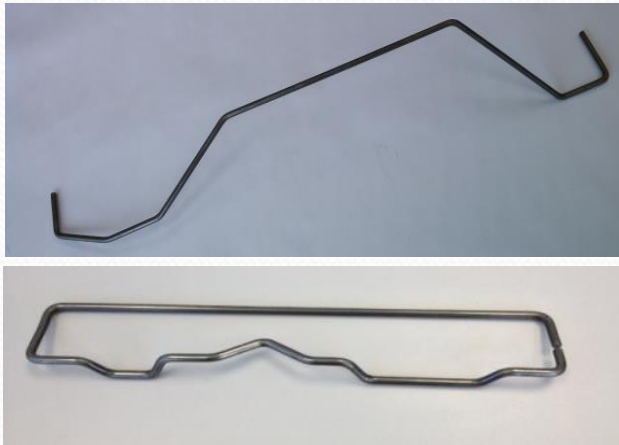
Grand Haven – Hayes Plant

- ❑ 55,000 Sq. Ft. – Wire Products Plant
- ❑ Engineering & Prototypes
- ❑ Compression Springs & End Grinding
- ❑ Torsion, Extension & Magazine Springs
- ❑ Wire-Forms & Seating Wires & Assemblies



Monterrey Mexico Plant

- ❑ 60,000 Sq. Ft. – Integrated Products Plant
- ❑ CNC Wire Forming
- ❑ Manual Stamping & Assembly
- ❑ Special Packaging & Kitting
- ❑ Adding Ink Jet & Laser Marking Shims
- ❑ Adding Precision Shim Grinding



Strategic Business Model



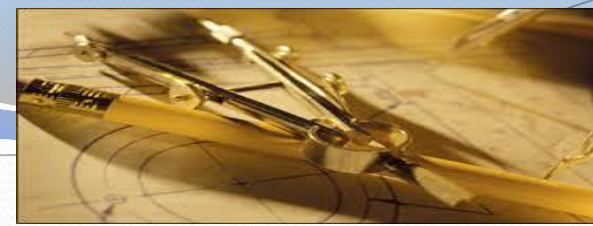
Full Spectrum of Products

- ❑ Springs – Compression, Extension, Torsion, Magazine, Sinuous
- ❑ Stampings & Multi-Slide up to 200 Ton
- ❑ Washers – Shims, Belleville, Wave, Curved, Precision Ground Spacers
- ❑ Wire-forms 0.25 mm to 10 mm wire
- ❑ Assemblies – Flex-Mats, Welded, Over-Molded, Clipped, Roller

Vertical Process Integration

- ❑ Prototyping, Tool Design & Build, Metal-forming, Coiling, Winding
- ❑ Austempering, Oil Quench & Tempering & Heat Setting
- ❑ Tumble Deburring, Shot Peening, Zinc Phosphating, Nylon Coating
- ❑ Precision Grinding, Welding, Staking & Assembly

Triad Design Solution



Our Product Knowledge – Wide Range of Products

- ❑ Expert Design for springs, stampings, washers, wire-forms
- ❑ Product Matching – Best product for the customer's application

Our Process Knowledge – Wide Range of Processes

- ❑ Expert Process Design for Heat Treating, Finishing & Assembly
- ❑ Process Matching – Best process for the customer's application

Our Metals Knowledge – Wide Range of Materials

- ❑ Expert in Material Properties & Failure Analysis
- ❑ Metals Matching – Best metal alloy for the customer's application

Superior Product Quality

Heritage of Quality Excellence

- ❑ Ford Q-1 Certified at Hayes Plant 2019
- ❑ JCI Global Continuous Improvement Award 2014
- ❑ JCI Global Top 5 Excellence in Execution Awards 2010, 2012, 2013
- ❑ JCI Platinum Awards 2012, 2013
- ❑ JCI Gold Awards 2004 - 2011
- ❑ Visteon Important Partner Award 2004
- ❑ Borg Warner 0 PPM Award 2001
- ❑ Dana Top 6 Global Supplier Award 2001
- ❑ Prince Continuous Improvement 1994 & 1996
- ❑ Whirlpool Top 10 Global Co-Maker Award 1992
- ❑ Ford Q-1 Certified at Taylor Plant since 1988



0 PPM Quality Strategy



Great Culture – Empowered, Engaged & Open Communication

Great People – Attract, Hire, Retain Nice Caring Talented People

Great Systems – IATF 16949 & ISO 14001 & Lean / TOC

Superior Design for Manufacturing – Our Triad Design Solution

In-House Manufacturing Control – Vertically Integrated Mfg.

Sensor & Control Technologies

- ❑ Automatic Length Detection & Closed Loop-Controller / Sorter
- ❑ Part Ejection & Slug Detection Sensors
- ❑ Short-Long Feed Length & Feature Detection Sensors
- ❑ Automated Chemical Additions & Process Status Timers
- ❑ Timed Proportional & Closed Loop Controllers

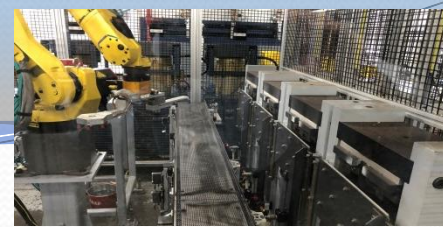
Innovation - Our 30 Year BHAG

“ASPC will develop through R & D or Acquisition 30 new products or processes in the next 30 years!”

- ❑ Direct result of our 2006 Strategic Planning
- ❑ THE Driving Innovative Force at ASPC
- ❑ Achieved 19 New Products / Processes in the past 12 years!
- ❑ Additional BHAGs are being evaluated for 2019



BHAG Innovation Examples



- ❑ Robotic Self-Correcting Automated Heat Set Process
- ❑ Precision Double Disc Vertical & Horizontal Shim Grinding
- ❑ Dedicated Wire Bending Technology
- ❑ Precision Roll-Flattening Technology
- ❑ CNC Wire Bending Technology
- ❑ Laser Etch Part Marking Technology
- ❑ Robotic Flex-mat Assembly with integrated CNC Wire-form, Fluidized Bed Nylon Dip, Direct Current Stress Relief & Automated Part Inspection & Packaging
- ❑ Ultra High Speed Stamping & Carbide Tooling Technology
- ❑ Servo Stamping Technology
- ❑ Ultrasonic Parts Cleaning Technology



Environmentally-Responsible

Clean Corporate Citizen & ISO 14001

- ❑ Michigan CCC Certified – Since 2005
- ❑ ISO 14001 Certified – Since 2005

Energy Conservation the Past 10 Years

- ❑ 50% Reduction in Electricity Consumption
- ❑ 60% Reduction in Natural Gas Consumption

Water Conservation the Past 10 Years

- ❑ 70% Reduction in Water consumption

Recycling the Past 10 Years

- ❑ 65% Reduction in Waste to Landfill



Community-Minded

Support Community with our Time to Help Others...

- ❑ Volunteer on Local, State & National non-profit boards
- ❑ Volunteer in "Day of Caring" & "Adopt a Park" activities
- ❑ Volunteer with United Way to help the homeless

Support Community with our Finances to Help Others...

- ❑ Financial Support of local Churches, Christ-centered organizations & other Non-profits who provide help to those less fortunate.



Serving Others, Helping them Succeed!

At ASPC, that is our Enduring Passion!

- ❑ Helping our Customers succeed!
- ❑ Helping our Team succeed!
- ❑ Helping our Community succeed!
- ❑ Helping our Environment succeed!



General Colin Powell was quoted regarding Leadership...

- ❑ "Great Leadership really boils down to just 2 things:"
- ❑ "Always do Things Right" (Quality)
- ❑ "Always do the Right Thing" (Integrity)
- ❑ That is precisely what we strive to do at ASPC each & every day!