

# Supplier Keynote



## Mario Robles

CEO, MPC Industries, Inc.

Mario Robles joined MPC Industries in 2007 as General Manager and in 2011 was named CEO. Throughout his career Mario has specialized in operations management and continuous process improvement efforts in Operations, Logistics and Quality Divisions.

Mario has multiple industry experience including High End Corporate Furniture (Steelcase), Recreational Vehicles (Alfa Leisure) Medical Precision Fabrication (Fabcon) and Aerospace & Defense (MPC Industries).

Mario holds a BS degree in Business Management from the Pepperdine University and a MBA from the University of Southern California.



# MPC Industries

SEA CEO CONFERENCE  
OPERATIONAL EXCELLENCE

*"Strategies for the Aerospace Supply Chain"*

**June 8, 2011**

# Company Overview

## *About MPC Industries*

- ☒ Flat sheet polishing
- ☒ Formed Parts polishing
- ☒ Grinding, Sheet & Plate

Backed by over **40 years experience** and unique combination of resources.

Time proven competitive advantages, 50,000 Sq. Ft. facility in **Irvine, California**

**Strategic partner** in support of customer strategic and **supply chain goals**.

# MPC

## Flat Sheet Polishing



## Formed Parts



## Sheet/Plate Grinding



# Customers



# MPC Vision, Direction and Pace



To be a World Class Organization!

**Fast?**



**Faster?**



**The Fastest?**



# “What is driving Aerospace?”



# Driving Forces



**Shortest  
Lead-Time**



**Lowest  
Cost**



**Highest  
Quality**



# “What is Driving the MPC Shopfloor?”

“What gets measured, gets done”



The highest Quality (Measured by Customer)



The shortest Lead-Time (Measured in Hours)

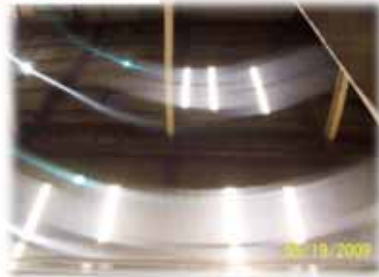


The lowest Cost (Measured in Profit)

# Measurable Results

<b>Results</b>	<b>Before (Baseline)</b>	<b>After (12 month avg.)</b>
<b>On-time Delivery</b>	92%	96%
<b>Lead Time</b>	Flat sheet and formed part polish deliver to F.G. Inventory Grinding: From 5-7 days to 48 hour expedite service	
<b>Quality (ppm)</b>	4874	255
<b>Cost</b>	24% decrease per month, ongoing avg.	
<b>Sales \$ per Employee</b>	24% Increase	
<b>Output in Flat Sheet</b>	55% increase (1 <sup>st</sup> qtr. 2010 vs.. 1 <sup>st</sup> qtr. 2011) No additional machinery or manpower	
<b>Changeover (Grinding Dept.)</b>	53% reduction (from 53min. avg. to 25min. Avg.)	

# How We Did It, Flat Sheet Polish



After Kaizen events,

 We used **measures** that have true **value**

 Sq. Ft. polished per hour (we want to trend up)

 Labor hours per 100 Sq. Ft. (we want to trend down)

# How We Did It, Formed Parts Polish



## After improvement activity and kaizen events

- ☒ **Standardized work time for each individual part**
  - Streamlined planning and scheduling
  - Targets for qualifying operators
  - Reduced output variation and overtime
  
- ☒ We measure planned vs. actual on daily and weekly basis

# How We Did It, Grinding



- ❑ We have **added 2 additional grinders**
- ❑ Current width capacity is 68 inches
- ❑ Second grinder will match 68" width capacity
- ❑ Third Grinder will **add width capacity of up to 80"**
  - New grinder is 95% installed

# World Class Quality

## ISO 9001 and AS9100 Certification



**“The pursuit of world class management procedures and business practices”**

## Lean Enterprise System & Continuous Improvement



**“The pursuit of the Highest Quality, Lowest cost and Shortest Lead-Time”**

# MPC and SEA Members

World Class Partnership and Collaboration

