



Quality

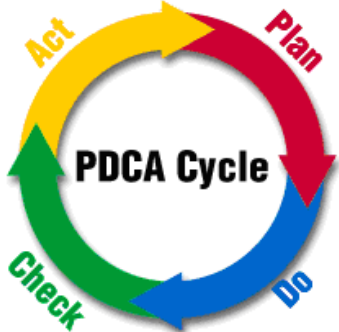
The Perfect Impression: Taking your project from concept to production.

OGIHARA AMERICA CORPORATION is a leader in the automotive industry for the implementation and certification of an Integrated Management System. The Integrated Management System was created to ensure that the quality of our products conform to technical specifications of the ISO/TS16949, all legal and regulatory requirements of the ISO14001 and the health and safety requirements of the OH&S18001, with an emphasis on our customer specific requirements.

Ogihara America is dedicated to quality excellence through innovation. We use proven world class technology and processes to bring our customer's product to production faster and at lower costs.

INTEGRATED QUALITY MANAGEMENT SYSTEM

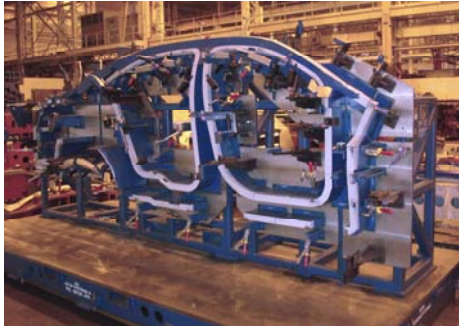
PDCA CYCLE CIRCLE



Techniques

- Kaizen
- 5' Why Analysis
- Six Sigma
- Root Cause Analysis

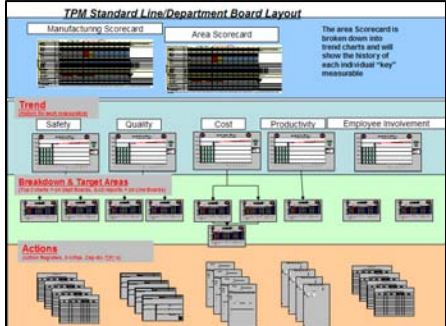
QUALITY EQUIPMENT



Tools

- 3-D White Light
- CMM (50 ton capacity)
- Datamytes
- Bushings
- Checking fixtures

SCORECARD SYSTEM



Track Area Performance

- Safety
- Quality
- Cost
- Productivity
- Employee Involvement

CERTIFICATIONS

ISO 14001
 ISO/TS 16949
 OHSAS 18001

AWARDS

Ford Q-1
 DaimlerChrysler Gold Award
 Total Productive Maintenance Excellence

OGIHARA AMERICA CORPORATION

1480 West McPherson Park Drive, Howell, MI 48843-3997

Phone: +1 517 548 4900 Fax: +1 517 548 6079 E-mail: Sales@Ogihara.com

www.ogihara.com



Quality

The Perfect Impression: Taking your project from concept to production.

Recognized throughout the world for our quality manufacturing processes Ogihara America's processes are benchmarked by automotive and non-automotive industries and universities. In December 2003 United Space Alliance (USA) contacted Ogihara America in an effort to benchmark our manufacturing process. Ogihara America engineers traveled to Cape Canaveral to evaluate



Endeavor, Atlantis, and Discovery space shuttle heat shield tile manufacturing process. After each flight, hundreds of tiles require replacement. Ogihara America engineers applied non-contact measurement techniques to this process that eliminated several steps, reducing the tile making process from 80 hours to 10 hours per tile while maintaining strict quality requirements.

ENGINEERING

Providing a complete facility for TOTAL Program Management

TOOLING

Providing FULL SERVICE tool manufacturing and maintenance capabilities

STAMPING

Providing high QUALITY Class A panels and related subassembly

ASSEMBLY

Providing MODULAR PRODUCTION with Just-In-Time delivery

CUTTING EDGE MEASUREMENT SYSTEMS

Ogihara America utilizes a non-contact white light 3D optical system for dimensional measurement. This system is faster than traditional CMM machines and provides complete surface data.



OptiCell - Precision non-contact robotic white light 3-D measurement

- Inspects full surface and feature dimensions
- Used in production
- Verifies product quality during launch and production
- Reverse engineering (creation of CAD data from physical part)
- Virtual assembly

Value Added

- Faster time to first article
- Full 3-D inspection compared to point based with CMM
- Faster problem resolution
- Operator independent measurement results
- Full visibility on the product's dimensional quality

OGIHARA AMERICA CORPORATION

1480 West McPherson Park Drive, Howell, MI 48843-3997

Phone: +1 517 548 4900 Fax: +1 517 548 6079 E-mail: Sales@Ogihara.com

www.ogihara.com