



STANDARD MOTOR PRODUCTS, INC.

1300 West Oak Street, P.O. Box 788, Independence, Kansas 67301 (620) 331-1000

ANNUAL REVIEW DATE: 03/22/08 (N.KAHLER)

General Information:

Standard Motor Products, Inc.
37-18 Northern Boulevard, Long Island City, NY 11101

Telephone: 718-392-0200
Fax: 718-729-4549

Tax Identification No. 11-1362020
SIC: 3964

NAICS: 336322

DUNS: 00-131-5266

Status of Ownership: Public Corporation

Facility:

Standard Motor Products, Inc. - Independence (SMP-I)
1300 West Oak Street
Independence, KS 67301

Telephone: 620-331-1000
Fax: 620-331-1422

Number of Production shifts: Two (2) Plant Size: 357,000 square feet

Internal Programs:

Extensive 5-S	SMED	KAIZEN
Lean Manufacturing	MP2	IMPACT

Number of Employees:

Production - 305	Engineering - 15
Customer Service - 3	Continuous Improvement - 3
Quality - 10	Materials - 9
Process Support - 9	Assembly Support - 7
Human Resources - 4	Sales and Marketing - 4
Administration - 8	

Contacts:

	Contact Person	Phone	E-Mail
Sales/Customer Service	Michelle Shaffer	620-331-1000 x 479	mshaffer@smpsfa.com
Engineering/Quality	Jerry Alexander	620-331-1000 x 241	jalexander@smpcorp.com
Purchasing/Materials	Ted Jones	620-331-1000 x 472	tjones@smpcorp.com
Production Assembly	David Blex	620-331-1000 x 421	dblex@smpcorp.com
Fabrication/Facilities	Frank Foster	620-331-1000 x 322	ffoster@smpcorp.com
Continual Improvement	George James	620-331-1000 x 527	gjames@smpcorp.com
General Manager/Accounting	Scott Strycker	620-331-1000 x 125	sstrycker@smpcorp.com

Strengths

- Experience and name recognition with a broad range of automotive and non-automotive OE/OES customers.
- Tier 1 presence in marine, heavy truck, off-highway and recreational product design and manufacturing.
- Vertically integrated electronics and electro-mechanical business unit with product, process, quality and manufacturing engineering, materials management, customer service, financial, sales and manufacturing capabilities.
- Broad range of product and manufacturing process knowledge (electronic ignition controls, sensors, actuators, switches, solenoids, magnetic relays, PCV valves, electronic power switch).
- State-of-the-art CAD/CAE capabilities.
- Fully equipped tool and die shop for quick turn prototypes, samples and modifications.
- In-house design, fabrication, maintenance and modification capabilities for automatic test and manufacturing process equipment.
- In-house test and product qualification capabilities for most electrical, mechanical and environmental stress conditions.
- Other basic capabilities, within the corporation, than can be assembled to develop complex new products and manufacturing processes.
- Expandable state-of-the art electronics and electro-mechanical manufacturing operations.
- Vertical integration of manufacturing support operations (molding, plating, stamping, wiring harnesses) offers short-run, quick turn manufacturing capabilities.
- Open, unused manufacturing capacity and space available for new business.
- Flexible, cross trained, non-union workforce that allows movement of personnel across product lines to match demand.
- Track history of above average on-time delivery.

Products and Volumes:

- Products produced: Automotive electro-mechanical, electrical and electronic products
- Standard Current Lead Time: 30 days
- Services Performed: Design, development, manufacture and delivery
- All order quantities (lot sizes) produced

Engineering Capabilities:

SMP-I has the following product and manufacturing process design and development:

- Products manufactured at SMP-I are designed and developed by our in-house engineering staff.
- Manufacturing equipment and tooling and automatic test equipment as designed, programmed and fabricated by SMP-I engineering. We have our own tool room with tool design facilities and tool makers.
- We tool and manufacture some products designed by our original equipment and inter company customers.

SMP-I provides custom manufacturing of dedicated products for original equipment manufacturers, including the following types of industry applications:

- Industrial
- Heavy Duty
- Manufacturing
- Marine and Recreational
- Agriculture

Electronic design capabilities include:

- Analog and Digital Circuit Design
- Custom Integrated Circuit (A.S.I.C.) Design
- Circuit Design Simulation
- Embedded Microcontroller Design
- Embedded Software Development
- Printed Circuit Board Design and Layout
- Thick-film Network Design and Layout
- Automatic Test Equipment Design, Programming and Fabrication
- Automotive and Marine Product Qualification
- Manufacturing Process Controls and Equipment Design

Mechanical and electromechanical design capabilities include:

- Mechanical and Electromechanical Product Design
- Solid Modeling and Finite Element Analysis
- Product Packaging and Tooling Design
- Plastic Mold Tooling Design
- Automatic Test Equipment Fixture Design and Fabrication
- Manufacturing Process Machine and Tooling Design Fabrication
- Automotive and Marine Product Qualification
- Model Shop Prototyping

We use a computer based Cyber Metric Gauge Trak software recall and record keeping system for our gauges and testers. Transfer standards are sent to certified labs for calibration and used as in house standards for calibration. Calibration intervals vary as we use RP-1 calculation to set the intervals.

We have on site CAD/CAE/CASE tools and use the following:

- Networked Computer Systems
- OrCad Schematic Capture - Circuit Design
- OrCad Layout - Printed Circuit Board Layout
- OrCad PSpice and Cadence - Electronic Circuit Simulation
- Pro Engineer, Solid Works, Microstation - 3D Solid Modeling and Mechanical and Magnetic Design
- Mechanica and Cosmos - Finite Element Analysis
- AutoCAD - Two Dimensional Mechanical Design

Data transfer formats include:

SLDDRW	SLDPRT	SLDASM	STEP
PRT	DRW	ASM	DWG
DGN	IGES		

Quality Management:

SMP-I is ISO 9000/2000 and ISO14001 certified. Please see attached certificates. We routinely provide certifications and appropriate technical data with product shipments. We have the capability to provide any level of PPAP for our products. SMP-I is scheduled to become registered to TS16949:2002 by December 2008.

Assembly drawings, operator instructions and other aids are used to manufacture our products. Design and process FEMA's, process capability studies, control plans and statistical process controls are used in manufacturing where appropriate. All employees are required to attend new hire orientation. Upon placement within a department, employees then undergo an extensive, recorded training program specific to their job duties.

Customer complaints and returns for corrective action are processed through our internal Returned Goods Authorization (RGA) system. We have the capability to respond to customer complaints in the customer required format.

We routinely track customer service levels for on-time delivery, quality and count accuracy. We comply with current federal, state and local governmental, regulatory, safety and other requirements on restricted, toxic and hazardous materials, as well as environmental, electrical and electromagnetic considerations applicable to the country of manufacture and sale.

Testing is an integral part of design, development and production of products at SMP-I. Extensive qualification testing is performed to verify the design capabilities of manufactured products, including electrical and environmental reliability testing. Our engineering staff will work with you to design a qualification test plan that best suits your product, including:

- Full Electrical & Mechanical Performance Tests
- Electro Static Discharge (ESD) Tests
- Transient Waveform Tests
- Powered Device Temperature Cycling Tests
- Automotive In-Vehicle Tests
- Dynamometer Tests
- Vehicle Cold Chamber Testing
- Thermal Shock Tests
- Mechanical Shock and Vibration Tests
- Hot, Cold and Humidity Cycling Tests
- Water Submersion Tests
- Salt Fog
- Dust Chamber Tests
- Chemicals Resistance Tests

SMP-I has an on-site metrology lab and is also accredited by UL for specific electrical certifications. Certified testing facilities include:

- Fully Equipped Calibration Lab
- Fully Equipped Test Laboratory
- Environmental Chambers
- Humidity and Salt Spray Chambers
- Production Equivalent Automatic Testers
- Full SPC Capabilities
- SAE and ASTM Library of Standards

Manufacturing Capabilities:

- ❑ Injection, Compression and Transfer Plastic Molding
- ❑ Metal Stamping and Forming
- ❑ Zinc Plating with Clear or Yellow Dichromate and Copper and Brass Bright Dipping
- ❑ Powder Coat Painting
- ❑ Bobbin and Coil Winding
- ❑ Wire EDM
- ❑ Electro-Mechanical Assembly
- ❑ Die Making and Repair
- ❑ Mold Repair
- ❑ Prototyping
- ❑ Surface Mount - Automatic Pick and Place
- ❑ Through Hole - Auto Insertion
- ❑ Re-flow and Wave Soldering
- ❑ Computer Controlled Bed-of-Nails and Functional Testing

Electronic Manufacturing Capabilities:

- ❑ PC Board Assembly
 - Through-hole Auto Insertion
 - Double-sided SMD Pick and Place
 - Convection Re-flow and Wave Soldering
 - No-clean and Aqueous Cleaning
- ❑ In-circuit (Bed-of-Nails) Test
- ❑ Automatic Functional Test
- ❑ Automatic Functional Test

Process Control:

SMP-I utilizes the following process control systems:

- ❑ Statistical Process Control
- ❑ Process Routing
- ❑ Routing ID by Customer Number
- ❑ Tooling Controlled
- ❑ Special Handling
- ❑ In-Process Revision System

Information Technology (IT) Capabilities:

	Telephone	Extension
Primary Contact Person: Carla Murray	620-331-1000	437

ANSI-X12 - Documents

850-R – Purchase Order	830-R – Planning Schedule
856-S – Advance Ship Notice	810-S – Invoice
857-S – ASN with Invoice	846-S – Inventory Advice
211-S – Bill of Lading	214-S – Carrier Shipment Status
855-S – PO Acknowledgement	860-R – PO Change Request
861-R – Receiving Advice	862-R – Shipping Schedule
864-R - Text Message	853-R – Routing & Carrier Instructions
820-R – Remittance Advice	824-R – Application Advice
996-R – File Transfer	810-R – Invoice

EDIFACT Documents

DELFOR-R - Planning Schedule	DELJIT-R - Purchase Order
DESADV-S - Advance Ship Notice	CONTRL-R - Functional Acknowledgement
APERAK-R - Error Notice	RECADV-R - Shipment Status

Other Documents

PIES-S	IPO-S/R	PO-R - TRANSNET
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Standards

ANSI-X12	EDIFACT	XML	TRANSNET
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EDI Transmission Types

VAN - Inovis	PartnerShip Network	FTP	XML Over the WEB
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EDI Interchange Qualifier and ID

Test: 01* 007166853	Production: 01* 007166853
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Computer Hardware Platform

iSeries

Software platforms

EDI - Inovis TLi	ERP - JD Edwards
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SMP-I uses the internet for sending and receiving all e-mail. Our user mail box is (firstinitial lastname)@smppcorp.com; i.e., Chris Romine can be reached via e-mail at cromine@smppcorp.com.

Packaging and Labeling Capabilities:

SMP-I has full packaging capabilities as follows:

- Custom product identification labels
- Bulk packaging
- Custom bulk packaging (partitions - dividers - custom inserts)
- Individual white box available
- Can pack customer's graphic boxes
- UPC bar coding individual boxes
- Standard bar code shipper labels (customized to customers specifications)
- Standard or heavy duty shippers or custom sizes
- Customer specific bar code shipper labels
- Normal or heat treated skids
- All skids are stretch wrapped
- Shipments can be made via most carriers

We are capable of the most current AIAG bar code requirements.

Material Storing and Handling:

We recently JD Edwards at our facility and currently use a typical MRP along with a pull system utilizing both internal and external Kanbans. We also do some consigned inventory and have bonded inventory programs set up with several suppliers, many of which we are releasing weekly pulls electronically on supplier websites.

SMP-I has supermarkets set up in many areas of the manufacturing facility in which the operators are using a visual trigger for order replenishment. The operators are faxing the suppliers to ship the fixed order quantity and the suppliers backfill their stock after each pull. Purchasing sets up yearly blanket orders with release quantities and there is a coversheet for every item managed in the supermarket. Fax machines are placed strategically on the shop floor, the employees have ownership and this has proven to be a very successful joint effort in our facility.

Shipping Capabilities:

We are able to meet any customer's requirements for ground, air or ocean shipments. We offer full or LTL shipments, UPS, FED-X, export or expedited services. We also can provide an ASN or any other customer documentation required.

Additional Information:

Additional information available at www.smpoe.com.

A certificate of product liability insurance is available upon request by contacting Steve Flynn via telephone at 718-316-4363 or e-mail at sflynn@smpcorp.com.

Requests for country of origin information may be directed to Christine Quigley via telephone at 718-316-4522 or e-mail at cquigley@smpcorp.com.

Documents Available Upon Request:

- Quality Policy and Manual
- Company Brochures and Literature
- Annual Reports
- Organization Chart
- Facilities Listing - Equipment and Processes