**FACTS, Inc.**
**PROCESS CONTROL SYSTEMS**

**TMC 6001**
**Total Mixer Control System**

The **FACTS** Total Mixer Control (TMC) System integrates and centralizes control of the entire mixing and compounding process.

Experienced in Rubber & Plastics
Batch Mixing Including:
- Tangential Machines;
- Intermesh Machines; and
- Tilt Mixers

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**System Features**

- Job scheduling
- Recipe management
- Automatic feed system control
- Mix step control
  - Time
  - Temperature
  - Energy
- Historical batch analysis
- Menu driven touch screen
- Security system
- Operator log in
- Alarm identification
- Trend plotting
- Mix step display
- Manual controls

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**Related Products**

**Total Information Manager Host System**
- Data Collection
- Graphical analysis of historical batch data including batch trending and batch overlays
- Recipe Editor
- Configuration Editor
- Remote Support

**Weigh Belt/Scale System**
- Operator prompted weigh belt and weigh scale interface for minor ingredients, oils, fillers & polymers

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**Full Process Integration**

Control/monitoring of:
- Material handling systems
- Oil ingredient weights
- Bulk compound weigh systems
- Minor compound weigh systems
- Manual & automatic ingredient load
- Mixer speed and temperature
- Extruders
- Pelletizers
- Drop mills
- Batch offs
- Wig wags

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**FACTS, Inc.**
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System Highlights

Only FACTS integrates both control and management of your manufacturing process, equipment and job histories to provide your optimum production efficiency.

**Operator Ease of Use**
- Menu driven Batch trend display
- Highlighted mix step Multiple batch trends
- Alarm presentation Control screens
- Touchscreen controls Manual backup

**Single Product Code Setup for:**
- Step operations Batchoffs
- Auxiliary systems Downstream systems
- Mixer control points
- Feeder subsystems

**Specialized Monitoring and Control for:**
- Mixer recipes Auxiliary equipment
- Mixer control points Batchoffs
- Feeder subsystems Downstream systems

**Specialized Displays for:**
- Production Management
- Quality Assurance Engineering
- Maintenance Multi-Language

**FACTS Capabilities**

FACTS is a complete provider of turn key automation systems for batch processes. Our capabilities include Total Process Control, replacement electrical & drive enclosures, complete material weigh systems, data collection, analysis & reporting tools.

**Benefits and Payback**

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<th>Quality Benefits</th>
<th>Increase</th>
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<tr>
<td>-- Consistent Operation</td>
<td>-- Speed of process</td>
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<tr>
<td>-- Continually Improve Line, not just run it</td>
<td>-- Productivity</td>
</tr>
<tr>
<td>-- Closed Loop Control</td>
<td>-- Quality</td>
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<td>Decrease</td>
<td>-- Customer Satisfaction</td>
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<td>-- Operator Requirements with a simple interface</td>
<td>Start Up/Setup</td>
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<td>-- Maintenance Questions</td>
<td>-- Fast</td>
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<td>-- Scrap by staying on Spec</td>
<td>-- Consistent Parameters</td>
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<tr>
<td>-- Downtime by eliminating obsolete parts</td>
<td>-- Whole Line Coordinated Start-up</td>
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FACTS, Inc. is the leader in process control technology for the polymer market. In fact, we wrote the book on extrusion control—literally. For the Society of Plastics Engineers, FACTS penned the chapter on Extrusion Control in the “Guide on Extrusion Technology & Troubleshooting.”

FACTS Inc. routinely provides new and existing process lines with complete electronic control systems and integrated HMI. Controls provided include, but are not limited to: temperature, speed and pressure control; sequence control; drive and heater systems; profile measurement and control.

FACTS, Inc. offers you experience at your fingertips with 24/7 support via Internet or modem.

FACTS, Inc. provides the tools to control your bottom line. Contact us today.

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