

The FullMetrics™

Die Cast Solution

Today's competitive environment, including quality standards such as ISO 9000/9001, demands that competitive companies recognize the importance of continuous improvements through effective production monitoring and process management.

This can be done most successfully with a real-time integrated information system that leads to intelligent and coordinated decision making. It requires an all-encompassing system that reaches from the plant floor to the executive offices.

The FullMetrics™ Die Cast Solution provides the tools to establish such a system. It transforms data into useful knowledge by combining production monitoring and process management with strategic enterprise systems. These are some of the critical issues addressed:

- Asset utilization planning and decision making
- Quality assurance through process management
- Production efficiency enhancements for optimizing resource management
- Process and production automation
- Strategic modeling and execution
- Enterprise systems integration

Powerful yet easy-to-use, the die cast solution is designed to help companies capture efficiency gains in their manufacturing while facilitating strategic decision making. It provides real-time information and analysis for Plant Managers, COOs, CFOs and CEOs, all leading to increased profitability.

FullMetrics™ begins with on-demand data gathering and sophisticated machine analysis to facilitate setup and troubleshooting. But it goes much further.

Additional components elevate the data to a higher level. They provide full process management and, at the most sophisticated level, company-wide strategy optimization.

The FullMetrics™ Die Cast Solution leads to strategic activity-based management, ranging from dynamic "what-if" scenario capabilities to financial and revenue modeling and budget analysis. FullMetrics™ integrates with Enterprise Resource Planning to become one enterprise-wide package. The benefits and efficiency gains are captured at every level of the organization.

	Components and Capabilities	Solution
Diagnostic	FullMetrics™ Machine Capability Analyzer	An instrument that can be integrated into the overall solution, ideal for machine troubleshooting, R&D applications, and optimization of the die casting and secondary processes.
Management	FullMetrics™ Shot-end & Process Management System	A real-time system that provides shot-end control, PLC interface and process management on the shop floor. Through networking, the process and analysis results can be shared throughout the organization.
Strategic Enterprise Integration	Hyperion Activity Based Management™ & Hyperion Performance Measurement™ FullMetrics™ Data Interchange	Powerful software products provide the capabilities to elevate information from FullMetrics™ Shot-end & Process Management System to an even higher level for company-wide integrated decision making, including production modeling and budget analysis. This also provides opportunities to integrate into an ERP system.
Implementation	FullMetrics™ Services FullMetrics™ Training	Organized, structured training and installation services to assure a rapid and successful implementation.

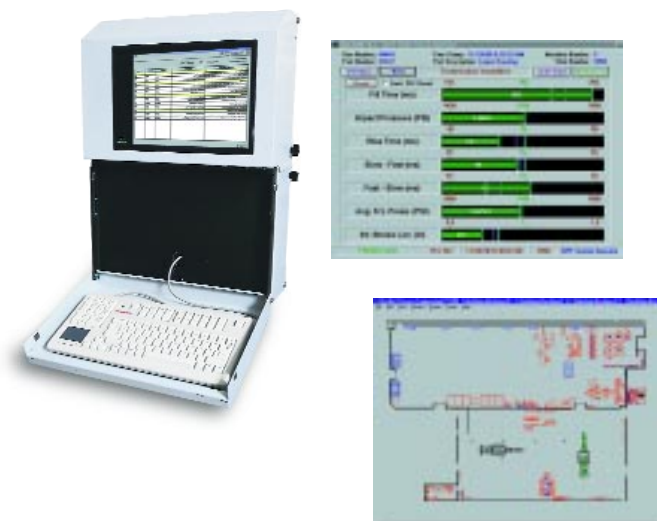
DIAGNOSTIC

FullMetrics™ Machine Capability Analyzer is a powerful, easy-to-use data acquisition and analysis tool with configurable software designed to accurately and quickly diagnose and document problems on virtually any machine. FullMetrics™ produces analyzers that can be used "on-the-road" or in your manufacturing plant.



MANAGEMENT

FullMetrics™ Shot-end & Process Management System for Die Cast allows you to monitor your entire die casting plant by collecting real-time information directly from each production machine and workcell. The system brings measurable improvements in production efficiencies and scrap reduction through shot-end control with real-time outputs for alarming and diverting scrap. This leads to increased quality control and operating profits.

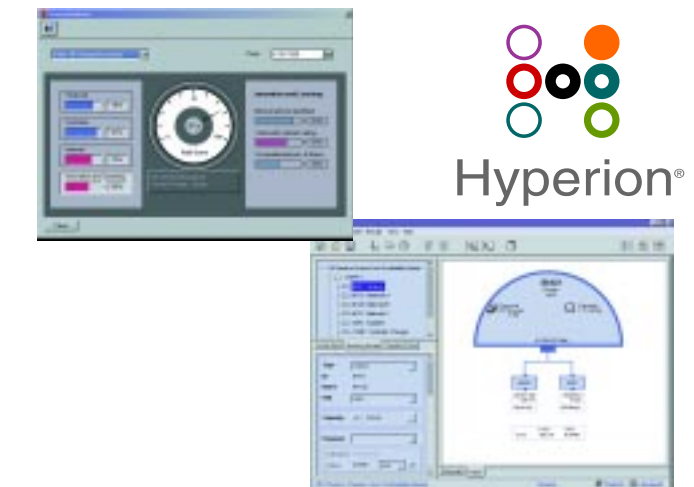


STRATEGIC

FullMetrics integrates Hyperion Activity Based Management™ with its Management System. Real-time production data is used to carryout activity-based resource capacity planning and constraint analysis. This allows manufacturers to predict revenues and profitability through "what if" scenarios. At a click of the mouse button you can determine the ROI from the FullMetrics Solution due to production efficiency gains.

FullMetrics has adopted Hyperion Performance Measurement™ to enable organizations to define their objectives clearly, develop operational action plans to support these objectives and use performance measures to track progress. The system supports leading and customized Scorecard frameworks such as the Balance Scorecard.

FullMetrics™ Data Interchange allows integration of information with your enterprise systems, providing critical decision making information at all levels of the organization.



IMPLEMENTATION

Comprising of FullMetrics™ Services and FullMetrics™ Training, this is a comprehensive multi-phase program developed explicitly to assure successful utilization of our systems. The program provides installation services and training at their most practical and effective stages throughout the implementation process, with periodic reviews to assess progress. One of the key objectives is to minimize disruption of production during system implementation.

The FullMetrics™ Solution is an integrated production monitoring and process management system that reaches from the plant floor to the executive offices.

For more information on each of the specific components of the FullMetrics™ Die Cast Solution, please review the individual information sheets.

FullMetrics
PO Box 46878
Eden Prairie, MN 55344

Tel: (952) 946-7934
Fax: (952) 941-1596
sales@fullmetrics.com
www.fullmetrics.com