



Predator MDC™

Machine Monitoring • Real Time OEE • Data Collection



predator™
SOFTWARE INC.

GEARED FOR MANUFACTURING™

Real-time machine monitoring and automatic manufacturing data collection software with 25,000+ reports, charts and dashboards to track jobs, parts, operations, work centers, cost centers, people, OEE, scrap, downtime and 50 other metrics.

Reduce or Eliminate:

- Set up time
- Downtime
- Scrap

Improve:

- Job planning and quoting accuracy
- Personnel productivity
- Machine and resource usage
- Maintenance planning

Collect shop floor data, including:

- Set up time
- Cycle time
- Scrap
- Personnel time
- Break time
- Meeting time
- Preventative maintenance
- Machine downtime
- Tooling downtime
- Gauging downtime
- Material downtime
- Personnel downtime
- And more...

What is Predator MDC?

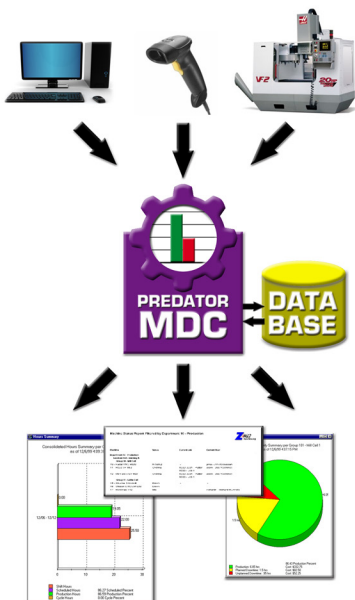
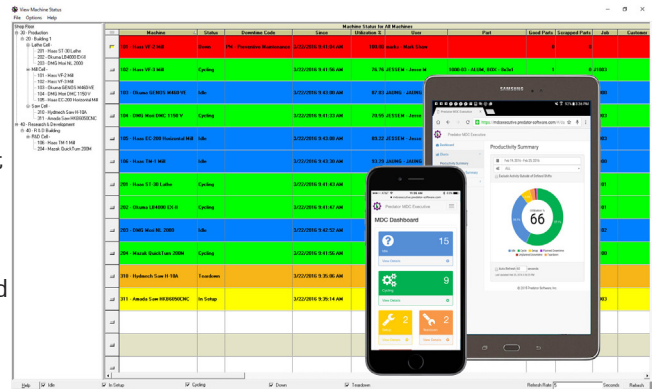
Predator MDC is real-time machine monitoring software that automatically collects, reports, charts and processes real-time shop floor manufacturing data including OEE, cycle time, idle time, setup time, teardown time, machine downtime and more. Predator MDC improves manufacturing by supplying accurate shop floor productivity metrics to improve operations and to make better decisions.

Choose from three editions

- Predator MDC Express
- Predator MDC
- Predator MDC Enterprise

Why use Predator MDC?

- Automatic and manual data collection
- 1 Network to monitor all your CNC machines, robots, PLCs and ATE test stands
- Real-time machine, job and part dashboards
- Real-time slideshows and digital signage
- Multiple plant support
- Unlimited number of data collection events
- 25,000+ Reports and Charts
- Real-Time OEE Dashboard, OEE Charts and OEE Reports
- Supports Wireless, Ethernet, RS-232 and Parallel I/O
- Open API and database architecture
- Includes Predator MDC Executive
- Includes Predator MDC for DOS
- Includes Predator DNC for Send, Receive and Dripfeed
- Use your existing ERP and MES bar coded paperwork



Predator MDC data collection to useable reports and charts.

Automatic and manual data collection

Predator MDC supports automatic, error-free, and unattended machine monitoring for events such as job start and end, setup start and end, cycle start and end, to name a few of the events that can be monitored. This type of data is collected automatically using software, hardware, custom macros and other methods without requiring operator training or input.

Predator MDC also supports manual monitoring of events that are initiated by machine operators such as machine logon/off, downtimes, and scrap reasons. Predator MDC can be used to manually collect data using several methods including Remote Request™, swiping bar codes, touch screen PCs or standard PCs.

Monitor all your CNC machines, robots, PLCs and ATE test stands

Predator MDC supports up to 4096 CNC machines, robots, PLCs and ATE Test Stands per PC for simultaneous cycle time, setup time, teardown time, downtimes with reasons, good parts, scrap parts with reasons and an unlimited number of user defined events.

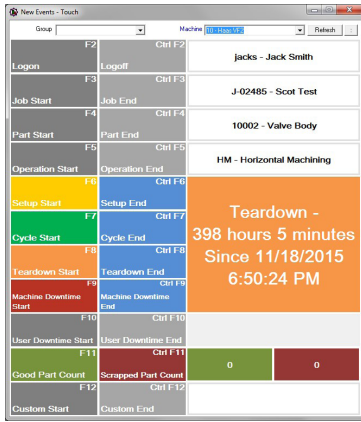
35 Upgradeable

Configurations:

MDC/1, MDC/2
MDC/4, MDC/8
MDC/16... MDC/256

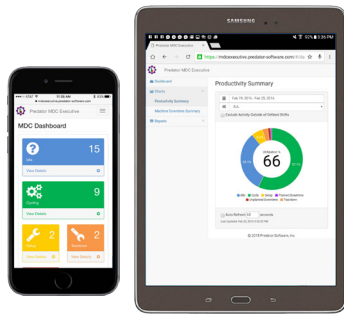
Standard Features:

- Manufacturing Data Collection
- Realtime Answers
- Flexible Data Collection
- Manufacturing-Specific Data Collection
- Reports and Graphs
- Database Flexibility
- Integrated Solution
- MDC Clients
- Data Collection Objects
- On-line Help



Group	Machine	Relish
Logon	Logoff	jacks - Jack Smith
Job Start	Job End	J-02485 - Scot Test
Part Start	Part End	10002 - Valve Body
Operation Start	Operation End	HM - Horizontal Machining
Setup Start	Setup End	
Cycle Start	Cycle End	Teardown - 398 hours 5 minutes Since 11/18/2015 6:50:24 PM
Teardown Start	Teardown End	
Machine Downtime Start	Machine Downtime End	
User Downtime Start	User Downtime End	
Good Part Count	Scrapped Part Count	0 0
Custom Start	Custom End	

Predator MDC manual data collection screen.



Predator MDC Executive - Web

Optional Features:

- Machine Monitoring
- Custom Reports & Charts
- Oracle
- SQL
- VB SDK
- JAVA SDK
- C ++ SDK

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Real-time machine, job and part dashboards

Keep score of your shop floor productivity with Predator MDC. Every second is tracked per machine, job, part, operation, shift and person. Real-time dashboards displays current machine, part, job, operation and personnel status. Multiple engineers, supervisors and managers can view the dashboard from any networked PC. Leverage the power of the Internet and VPN from anywhere in the world to see the status of your shop floor.

Real-time slideshows for digital signage

Dedicate one or more large screen monitors on the shop floor for real-time digital signage. Create slides of charts, dashboards and reports with specific filters and details. Eliminate manual posting of paper reports and charts. Provide a focal point for standup shop meetings while enforcing productivity and manufacturing metrics that management, engineering and quality departments care about.

Multiple Plant Support

Predator MDC supports an unlimited number of plants or buildings right out of the box. Multiple plants can share a single database for enterprise wide reports and charts or each plant can have a separate database. Compare plants or compare buildings to improve productivity. Organize your machines by grouping them per building or cell. Network PCs, CNCs, robots, PLCs and ATE test stands to create an entire real-time shop floor machine monitoring and data collection system.

Unlimited number of data collection events

An unlimited number of data collection events such as cycle start, cycle end, good part, scrapped part, etc. can be collected via 16 different methods designed to maximize automatic machine data collection and minimize manual data collection.

25,000+ Reports and Charts

Over 25,000+ reports and charts provide unique insight into the productivity and efficiency of each manufacturer. The flexibility of the reporting and charting options within Predator MDC converts the volume of data collected into concise reports and charts to identify issues and drive improved productivity.

Real Time OEE Software

Eliminate manual OEE driven data collection and OEE spreadsheets. Predator MDC supports real time OEE data collection with an OEE Dashboard, OEE Performance ranking charts, OEE Trend Analysis charts and OEE Reports.

Supports Wireless, Ethernet, RS-232 and Parallel I/O

Data collection via 802.11 wireless, Ethernet, RS232 and even parallel inputs are supported with Predator MDC.

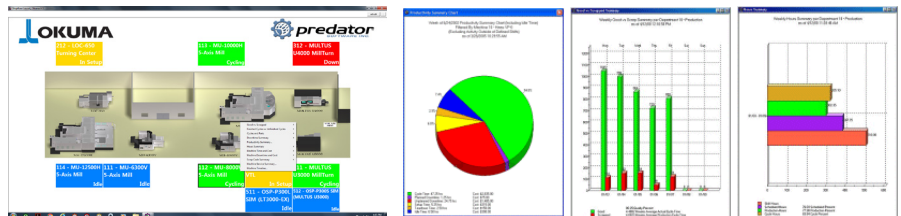
Open API and database architecture

Integrate your ERP and MES system with Predator MDC's open APIs (application programming interface) with 300+ methods all fully documented. Develop ERP and shop floor validation, flow part and job numbers from ERP directly into Predator and numerous other automation projects can be completed with C#, C++, VB.Net, VB6, VB script, Windows Script, Delphi and other compatible programming languages.

Predator MDC is based on an open architecture client/server database standard. Select from Microsoft Access, Microsoft SQL Server, or Oracle.

Includes Predator DNC Enterprise

Every Predator MDC/x license includes Predator DNC Enterprise/x for integrated Send to CNC, Receive from CNC and dripfeed operation.



System Requirements

- Windows XP, Vista, 7, 8, 10 & Windows Server 2008 thru 2012R2
- Intel® Pentium 4 based processor or AMD Athlon or newer CPU
- 50GB hard disk space
- 4GB-8GB Ram or higher
- 1024x768 Minimum Graphics Resolution
- USB Port & Serial Ports

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