Predator DESKTOP™

SHOP FLOOR CONTROL & AUTOMATION

Reduce or Eliminate:
- Wasted time
- Manual processes
- Paper setup sheets
- Paper drawings
- Learning and supporting multiple applications
- Network security concerns
- Non-secure browsers
- Switch boxes

Browse Your Documentation, including:
- Work instructions
- Job schedules
- Tool lists
- Setup sheets
- CAD files
- Best practices
- ISO 900x processes
- Six Sigma processes
- Machine safety instructions
- Human resource records

Control
your shop floor and stay organized

predator
SOFTWARE INC.

GEARED FOR MANUFACTURING™

Predator DESKTOP™

Universal Shop Floor Interface

Want to automate or go paperless?
Predator Desktop was designed to automate the shop floor. Desktop's power lies in its functionality to automate manual or tedious processes, which saves time and increases effectiveness. Desktop's simplicity translates into increased productivity for operators and machinists. Because every manufacturer has different needs, Desktop's user interface can be customized and extended to match specific user requirements. Some of the more common uses of Desktop include machine monitoring, data collection, viewing CAD files, viewing setup sheets, browsing corporate intranets, organizing CNC programs, managing shop floor files, collecting data for your ERP or MRPII system, DNC communications, and more.

Desktop Explorer™

Frustrated with hard to use software?
Predator Desktop keeps things simple with a familiar operating environment. Based on the Microsoft Office® and Windows® Explorer user interface, Desktop Explorer includes standard features such as drag and drop, shortcut menus, cut, copy & paste, object-based menus, toolbars, tool tips and on-line help.

Secure Browsing

Tired of shuffling through stacks of documents? Predator Desktop uses a secure embedded browser to bring the power of Internet/extranet integration and paperless manufacturing to the shop floor by supporting the latest HTML standards. Users can surf specific administrator-defined Internet and intranet sites for shop floor documents, and reduce the amount of paper setup documents, blueprints, and more. A corporate intranet enables manufacturers to distribute work instructions, job schedules, best practices, ISO 900x processes, six sigma quality procedures, machine safety instructions, human resource records and other documents electronically. Manufacturing intranets insure that the shop floor has access to the latest revision of all appropriate documentation and forces manufacturing engineers to document the process.

Shop Floor Security

Who's accessing the corporate network and its resources? Predator Desktop enables administrators to define users and groups with specific privileges for every resource and function, including intranets and web sites. Users that log on to Desktop have access to only those folders, machines, resources, functions and URLs defined by their administrator.

Integrated 2D viewing for dra blueprints.

Access buildings, cells, machines, folders or other resources based on secure personal or group logins.

Securely browse your corporate intranet or specific URL address based on personal or group log in.

Predator Desktop merges the latest security, view browsing technologies with shop floor networking collection, making it a truly unique single user inte

Secure Document Viewing

Need to view documents on the shop floor?
Predator Desktop supports fully integrated secure document viewing for Microsoft Office® files, 2D and 3D CAD files, bitmap files, and text files, including Word, Excel, PowerPoint, PDF, DWG, DXF, JPG, GIF, TIF, and BMP. 3D CAD support includes dynamic rotation, zoom, pan, fit, and more. Document viewing is fully integrated within Predator Desktop. By default, Predator Desktop does not launch a third party viewer, although third party viewers can be added for special file formats.

Internet E-mail

Need feedback from lights-out operation or improved workflow between departments?
Predator Desktop lets you automatically e-mail key personnel at the beginning or completion of hot jobs. Using Remote Request, operators can e-mail any department directly from their CNC. You control e-mail use and security, while improving communication efficiencies.

Object Manager

Struggling with automating shop floor activities? Because Predator Desktop was developed to be the ultimate shop floor automation tool, flexibility and functionality were built in for optimal performance. Administrators have the ability to create new functionality by combining one or more objects together. For example, if you need to track requests for more material by shop floor personnel, simply add an e-mail and Microsoft Excel® object together. With the Predator SDK you can create additional objects in C++, VB or Java. Desktop includes over 75 different objects to create an unlimited number of possibilities.
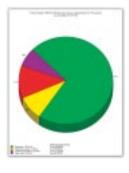
Activity Tracking

Concerned about shop floor productivity?
Predator Desktop can track shop floor activities by date and time. Activities are stored in ASCII delimited, HTML, Microsoft Access®, Excel, and optionally, Microsoft SQL® and Oracle® databases. Standard fields or columns include department, location, group machine, cost center, and several user definable ones. Any Desktop command or process can be tracked. This is especially important for ISO 900x processes.

Optional Manufacturing Data Collection

Need to monitor your machine tool activity?
Predator Desktop supports an option to upgrade to Predator MDC™ (Manufacturing Data Collection), which provides simultaneous monitoring for up to 256 CNC machines per PC. Predator MDC collects cycle times, setup and job times, part quantities and other vital information on machine and personnel performance. Unlike other machine monitoring systems, Predator MDC supports full software-based machine monitoring, and bar coding. More than 25 standard reports and charts are included.

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Create you own shop floor automation commands per resource or machine.

Drag and drop files between resources or machines.

Access secure live folders and automatically update them over your corporate network.

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Centralized File Manager

Swamped with too many files and can't find the latest revision? Predator Desktop includes a configurable file manager with complete drag and drop support. Organize your files by customer, job or CNC, and centralize access to a single folder per job. The file manager uses shortcuts or aliases to manage your files independently of your PC or network file structure.

Predator DNC™

Need to communicate with your CNC machines? Predator Desktop includes all of the power of Predator DNC to connect mills, lathes, EDMs, lasers, waterjets, routers, grinders, punch presses, CMMs, tool presetters, and gauges. Desktop supports up to 256 connections per PC for simultaneous communications via RS232, RS422, Parallel, Ethernet, or FTP interfaces.

Predator CNC Editor™

Tired of manually editing CNC code? Change feed rates, spindle speeds, and G- and M-codes with just a few mouse clicks. Predator Editor supports unlimited file sizes, while editing multiple files at the same time. Quickly make changes with over 50 math and trigonometry functions.

Verify CNC Code

Ever gouge a part, break a tool or crash a CNC machine? Graphically verify CNC code by backplotting any CNC program in a true 3D environment. Predator Editor supports one to four viewports, eight predefined views, zoom in, zoom out, pan, and fit. Print any view and quickly add graphics to your setup sheets.

Service and Support

Who will help set me up and keep me operational? Predator Software products and services are available through a global network of 100 value-added resellers. As part of the Predator family, they can provide the expertise necessary to maximize your productivity with Predator Desktop.

On-line Help

Need help and no time to read the manual? Predator Desktop includes on-line help with concise and up-to-date documentation.

System Requirements

Windows® 95/98/2000 and NT
- Intel® Pentium®-based processor or equivalent
- 64 MB RAM
- 40 MB hard disk space

CONTACT INFORMATION

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