

Predator PROFILE

SHOP FLOOR SOLUTIONS

Software Products



Predator CNC Editor™ — Revise your G-code with flexible ease

CNC Editor is ideal for shops running G-code programs. CNC Editor is MS Word compatible and provides enhanced CNC editing features including a graphical NC code backplotter, side-by-side file compare, and single channel DNC.



Predator Desktop™ — Control your shop floor and stay organized

Predator Desktop is a powerful shop floor control application. It provides a secure, versatile and integrated interface where users can browse production documents from any PC on their network, intranet or the Internet. Users can edit NC files off-line, enter and monitor machine tool and job status, and launch third party applications from Desktop Explorer™. Predator Desktop makes the paperless manufacturing environment a reality.



Predator DNC™ — Network your CNCs and get connected

Predator DNC (Direct/Distributed Numeric Control) is the backbone for a shop floor network. It is a flexible solution that allows users to access and manage CNC files from any server on their custom-defined network. Predator DNC supports up to 256 machine tools per PC, eliminating manual forms of data sharing and transfer.



Predator Gage Crib™ — Manage your gage crib and maximize quality

Predator Gage Crib automates gage crib inventory control and calibration by tracking every gage and fixture. Predator Gage Crib enables manufacturers to automate their quality standards and ISO 900x certifications.



Predator MDC™ — Monitor your shop floor and improve productivity

Predator MDC (Manufacturing Data Collection) is a network-based application that collects, reports, graphs, and processes shop floor manufacturing data in real-time. It improves manufacturing processes and production efficiencies by supplying the most accurate shop floor data available to manufacturers and engineers so they can make better decisions. MDC can monitor up to 256 CNCs per PC and provides more than 100 reports and graphs.



Predator OutPost™ — Translate your G-code to any machine tool

Predator OutPost is a universal post processor. It supports a wide range of machine tools and CAM applications. Predator OutPost can provide quick and accurate CNC programs with optional real-time post processing when integrated with Predator DNC or Predator Desktop.



Predator Tool Crib™ — Organize your tool crib and stay efficient

Predator Tool Crib electronically automates the tracking and organization of your tooling inventory, including tools, cutters, inserts, and tooling assemblies. Predator Tool Crib improves manufacturing processes and efficiencies by tracking consumption rates, reorder levels, scrap and rework.



Predator Travelers™ — Automate your work instructions and increase production

Predator Travelers provides a flexible system to create, organize, release, and document manufacturing details, processes and work instructions. Predator Travelers includes a powerful object-based database that supports unlimited parts, operations, materials, tooling, gages, blueprints, media, and more.



Predator Virtual CNC™ — Verify your CNCs before making scrap

Predator Virtual CNC is a G-code-based CNC simulation and verification application that proves-out CNC programs, simulates the CNC manufacturing process off-line, and ultimately reduces or eliminates scrapped parts and machine tool damage.



Who Uses Predator Products?

- CNC Programmers
- Machine Operators
- Machinists
- Maintenance Engineers
- Manufacturing Engineers
- Manufacturing Managers
- Quality Control Personnel
- Shop Managers
- Shop Lead Personnel
- Shop Foremen
- Shop Owners

Where are Predator Products Used?

- Discrete Manufacturing
- Fabrication
- Government
- Job Shops
- Manufacturing Plants
- Mold Shops
- Printed Circuit Board
- Production Facilities
- Prototyping
- Tool & Die
- Woodworking

SHOP FLOOR SOLUTIONS

Hardware Products

Predator Network Hubs



Predator Software provides a selection of shop floor network hubs that enable manufacturers and job shops to connect their CNCs to a networked PC running Predator software applications. Predator hubs are engineered for performance and reliability to withstand the demands of today's manufacturing environment. Predator can match shop floor layouts with one of the following hardware bundles:

Predator Flex™

Predator Flex hubs connect up to 64 CNCs or RS-232 devices to a single PC.

Predator Flex/2™

Predator Flex/2 hubs connect up to 128 CNCs or RS-232 devices to a PC by daisy-chaining up to eight Predator Flex/2 hubs. Flex/2 hubs are best suited for manufacturers requiring CNC networking over extended distances or with multiple buildings.

Predator Flex/3™

Predator Flex/3 hubs are a high-speed variation of the Predator Flex/2 hub, but with support for faster data transfer at speeds as high as 115,000 baud. Flex/3 hubs can connect up to 224 CNCs or RS-232 devices to a single PC.

Predator Flex/N™

Predator Flex/N hubs leverage an existing ethernet LAN (local area network) by connecting up to 256 CNCs or RS-232 devices to a single PC.

Predator USB™

Predator USB hubs use a standard USB (Universal Serial Bus) interface to connect between four and eight CNCs to a single PC.

Predator Flex/W™

Predator Flex/W hubs uses 802.11b wireless technology to eliminate long wire runs in the shop. Up to 256 CNCs can be networked to a single PC.

Predator RS-232 Cable Systems



Predator Grizzly Cable™

Predator Grizzly Cables are RS-232 compliant, triple-shielded, four-wire twisted-pair cabling, and are preterminated with RJ-45 style ends. They are constructed for harsh manufacturing environments.

Predator Grizzly Cable Adapters

Predator Grizzly Cable Adapters are part of the Grizzly Cable assembly. They are color coded based on CNC model and are compatible with hundreds of CNCs.

Predator Data Collection Systems

Predator DCT™ — Data Collection Terminal

Predator DCTs combine the capabilities of a ruggedized hand-held terminal with a bar code reader. Predator DCTs can be used for shop floor automation, data collection and activity tracking with Predator MDC, Predator DNC, and Predator Desktop. The standard unit comes with a 2-line LCD display, 24-key alphanumeric keypad, and two serial port.

Behind-the-Tape Readers

Predator BTR™

Predator BTRs replace paper tape readers on older NC and CNC machines by adding an RS-232 or RS-422 port. The open architecture of a Predator BTR can add up to 2MB of buffer memory or 16,000 feet of tape storage for DNC or dripfeed communications.



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