

PTC's Pro/ENGINEER on Compaq Professional Workstations – Controlling the Complete Product Development Process

The Pro/ENGINEER® Solutions are a suite of integrated software products that has revolutionized the mechanical design-through-manufacturing process. PTC's new generation of solutions provides companies across industry lines with a strategic competitive advantage by streamlining engineering processes, optimizing product quality, decreasing design-through-manufacturing costs, and reducing time to market. Solutions include Mechanical Design, Industrial Design, Functional Simulation, Information Technology and Production Applications.

Compaq Professional Workstations

All Compaq Professional Workstations are high-performance Windows NT® workstations that use the latest multiprocessing Intel technology. Compaq's high-performance workstations offer a range of 2D and 3D graphics options so they are well suited for mechanical design, analysis, and product data management applications. Compaq offers several different models, some supporting up to 4 processors and 3GB of main memory to handle the most compute-intensive applications. Of course they also run popular business applications such as MS Project, MS Excel and others, so you can integrate them



- PTC's Pro/ENGINEER running on Compaq Professional Workstations gives you the power and the functionality you need to do your job
- Pro/ENGINEER provides a suite of integrated software products for the mechanical design through-manufacturing process
- Design changes, "what if" scenarios, functional requirements and product behavior can all be simulated in software
- Users can specify optional assembly configurations and reuse product designs and processes on new products

seamlessly into your growing distributed enterprise, where mission-critical information is shared among servers, main-frames, workstations, and PCs. And Compaq's Intelligent Manageability features such as performance, fault, configuration, security, and asset management allow customers to retrieve important information about workstations in your department or across the enterprise.

The Compaq Advantage — A Highly Parallel System Architecture

To ensure you always have the performance you need to handle the models you create, Compaq workstations use an innovative Highly Parallel System Architecture that provides a performance level that frequently exceeds that of more expensive and proprietary RISC-based systems. Compaq's Highly Parallel System Architecture dramatically increases application performance by processing instructions between each CPU and critical subsystems — such as graphics and disk drive subsystems — in parallel. This architecture, which is based on industry-standard technology, uses dual memory buses to increase peak memory bandwidth, reaching two to four times that of other

Windows NT platforms. In addition, dual-peer PCI buses allow independent access to the CPU, again providing twice the bandwidth of other Windows NT/Intel systems. All of this translates into better performance for your applications.

Pro/ENGINEER Solutions — An Overview

Mechanical Design Solutions

In today's market, the sequential approach to product assembly management isn't good enough. Pro/ENGINEER integrates the mechanical design activities early in the development process. Pro/ENGINEER's single database allows design changes to propagate throughout all deliverables automatically, ensuring that accurate product data is always available. With Mechanical Design Solutions, you can easily evaluate and modify multiple iterations throughout the design process, resulting in shorter manufacturing cycles and a library of standard, proven designs that can serve as the basis for new products.

Industrial Design Solutions

Whether you sketch your ideas, conceptualize in software, or design around engineering specs, Pro/ENGINEER Industrial Design Solutions can enhance your creativity and productivity. You can develop, view, and evaluate free-form surface models in a realistic environment and quickly and easily explore an unlimited number of concepts. And you don't have to verify the manufacturability of your product. These software products allow you to concentrate on your concepts, while ensuring the seamless integration of your design through the product devel-

Compaq Professional Workstations				
Models	5000	5100	6000	8000
Processor	Supports up to 2 200MHz Pentium Pro	Supports up to 2 266 or 300 MHz Pentium II	Supports up to 2 266 or 300 MHz Pentium II	Supports up to 4 200 MHz Pentium Pro
Cache	256KB	← 512KB →		
Memory	32 to 128MB Expandable to 512MB	32 to 64MB Expandable to 512MB	32 to 128MB Expandable to 512MB	128MB Expandable to 3GB
Hard Drive	2 or 4GB Wide-Ultra SCSI (9GB optional)			4GB Wide-Ultra SCSI (9GB opt.)
Expansion	5 Slots 4 Bays	5 Slots 5 Bays	6 Slots 10 Bays	6 Slots 10 Bays
2D+3D Graphics	<ul style="list-style-type: none"> Matrox Millenium ELSA GLoria-L 	<ul style="list-style-type: none"> Matrox Millenium II ELSA GLoria-XL STB MVP (Multidisplay) Workstation Options: <ul style="list-style-type: none"> –Diamond Fire GL 4000 	<ul style="list-style-type: none"> Matrox Millenium II ELSA GLoria-L Diamond Fire GL 4000 Options: <ul style="list-style-type: none"> –STB MVP (Multidisplay) Workstation –ELSA GLoria-XL 	<ul style="list-style-type: none"> Matrox Millenium II Diamond Fire GL 4000 Options: <ul style="list-style-type: none"> –ELSA GLoria-L –STB MVP (Multidisplay) Workstation –ELSA GLoria-XL

opment process. You can conceptualize, make refinements, and build mathematically perfect surface models that are associative with Pro/ENGINEER mechanical design and manufacturing applications.

Functional Simulation

Pro/MECHANICA® is the foundation of the Functional Simulation solution set. This family of products is very easy to use and includes state-of-the-art techniques for controlling accuracy. The full associativity with the product model database allows simulations to begin early in the design process. The capabilities of Pro/MECHANICA typically address more than 80% of the simulation needs of a typical organization and require significantly less time and user expertise than traditional analysis tools.

Information Technology Applications

Pro/ENGINEER's Information Management Solutions were

developed to take your concurrent engineering environment to the next level by maximizing the availability and utilization of product model information throughout your organization. Like any tool, a mechanical design automation system must be managed properly for optimum results. PTC's powerful information management software is designed to manage and enhance the concurrent product development that Pro/ENGINEER's full associativity makes possible.

Production Applications

Pro/ENGINEER Manufacturing Solutions empower manufacturing engineering by encouraging their input early in the product-design process, leveraging their expertise through up-front involvement. This communication facilitates design for manufacturability based on proven practices, available resources, and time constraints — improving productivity and enhancing product quality.

Parametric Technology Corporation

Parametric Technology Corporation is the world's tenth largest software company and the CAD/CAM/CAE industry's leading supplier of software tools used to automate the mechanical development of a product from its conceptual design through production. Worldwide, more than 14,200 companies use PTC's integrated software technologies to reduce time to market, improve engineering processes and optimize product quality.

Compaq Computer Corporation

Compaq Computer Corporation, a Fortune 100 company, is the fifth largest computer company in the world and the largest global supplier of personal computers and monitors. Information about Compaq can be found at www.compaq.com and information on Compaq workstations can be found at www.compaq.com/products/workstations.html. Product information and reseller locations can be obtained by calling 1-800-345-1518.



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