

Straight Talk from 3D CAD Users

Hear what designers are saying about Pro/ENGINEER®



**DID YOU
KNOW**

"In my role as CAD administrator for my company, I am supporting a group of 30 mechanical and industrial designers. They hardly ever need help when modeling in Pro/ENGINEER."

In his career, Tuomas Pöysti has worked with many different CAD systems, but for the past several years he has been working exclusively with Pro/ENGINEER on a daily basis. In 2006, he took over the role as CAD System Specialist at Planmeca Oy, one of the world's leading manufacturers of high-tech dental equipment, where he administrates and supports other users of the software.

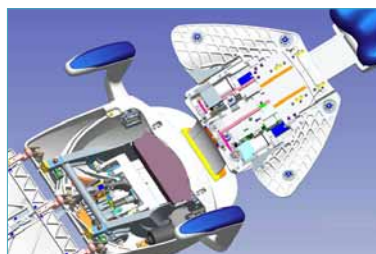
Mr. Pöysti, who learned Pro/ENGINEER at university, recalls his first experience with the CAD software: "I started with version 2000i, which was a pre-Wildfire® version, and it took quite an effort to learn. Now, the evolution that we have seen in terms of ease of use and intuitiveness since the introduction of Pro/ENGINEER Wildfire 1.0 has been enormous. The product is definitely easy to use nowadays, but I'd say that this, by far, is not the only benefit of this great software."



Tuomas Pöysti, CAD System Specialist
Planmeca Oy
Helsinki, Finland



Patient chair of the Planmeca Sovereign dental care unit.



This patient chair forms a mechanism of four bodies whose synchronous movements were carefully designed and tested for comfort and ergonomics. The mechanism was realized with Pro/ENGINEER MDO (Mechanism Dynamics Option). The chair also has five independent motorized moving parts.

Why Pro/ENGINEER is So Effective

"I am privileged to support a very talented group of about 30 mechanical and industrial designers. They rarely need help with basic modeling in Pro/ENGINEER—they all got up to speed quickly and find it generally easy to use.

Typical [CAD designer] support calls are related to special cases that are not part of the designer's routine, such as mechanism design and structural simulation. We use a very wide range of manufacturing technologies: machining, sheet metal, pressure die casting, injection molding, vacuum forming, extruding, etc. This sets high requirements for a CAD system and its users and, in my opinion, this is one of the biggest benefits of Pro/ENGINEER: due to its high degree of scalability, we have been able to add some designated functionality to our toolset, which allows us to get any engineering task done!

What I appreciate the most about Pro/ENGINEER is that it works the way an engineer thinks. Rather than cluttering the interface with multiple, different tools for very specific tasks, it offers a set of powerful, general-purpose tools that let me flexibly cover different design tasks.

This also facilitates design changes by thoroughly modifying features instead of creating new ones. As system support, I am sometimes able to do seemingly wizard-like tricks by replacing and rerouting features. Replacing a reference feature that has over a hundred 'children' features actually is quite easy and can save hours of work."