

# CoCreate Modeling: Why Designers Say It's the “Easiest-to-Learn” 3D CAD System

It's one of the most important considerations when evaluating 3D CAD solutions: How quickly will your designers become proficient with the new software? The answer to this question is extremely important because, in today's competitive market, you'll need to ramp-up your design teams in a hurry.

Ease-of-learning is also critical to your temporary designers who are brought in to address project peaks, because when everyone can learn and use the software quickly, you have the power to build and manage highly flexible design teams.

Here, in the words of actual users, are five reasons why CoCreate Modeling, with its explicit approach to 3D CAD, is considered the easiest-to-learn 3D CAD system.

## 1. Use familiar 2D design concepts and behaviors.

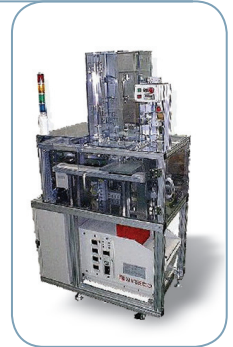
Designers love the similarities between 2D and CoCreate Modeling, in terms of flexibility and technique. For example, designers can move and stretch 3D geometry, and design within 2D cross-sections of a 3D model. Better still, they don't need to plan their designs in advance. Just like 2D development, they can let their designs evolve freely throughout the design process. This instant comfort and familiarity with the software helps 2D designers easily adopt CoCreate Modeling.

### Chikuma Seiki Co., Ltd, Japan

#### Moving from 2D design to 3D explicit modeling

“Because [explicit modeling] is very easy to learn, designers can master it in a surprisingly short period of time. Engineers are fabricating models in only three hours after a brief introduction. Others are designing, just as they did with 2D, one week later.”

— Daishi Miyahara



Precision processing equipment

### Sigma Corporation, Japan –

#### Moving from 2D design to 3D explicit modeling

“Everyone wants to use CoCreate Modeling. Once they use it, they cannot do without it. It's easy to use and simple to learn, so all of the designers have moved off of 2D CAD, and our products are now designed in 3D.”

— Yosuke Yamazaki



Digital SLR camera

## 2. Become proficient quickly by working directly with 3D models.

With explicit 3D CAD, designers interact with model geometry ONLY. That makes initial training simple, and also lets designers pick up a design where another designer left off – just as if you were working with Microsoft Word® documents. There's no need to understand a model's history or design intent in order to be productive immediately.

### Lingl GmbH & Co., Germany Results of competitive 3D benchmark and evaluation

"The explicit modeling approach allows us to make changes directly on the geometry, independent from previous design steps. Therefore, every designer can take designs and create new ones – even the ones designed by colleagues."

– Jürgen Hoffmann



Brick assembly line

### Carl Zeiss Meditec, USA Results of competitive 3D benchmark and evaluation

"We just don't have time to spend worrying about our design tools. And with CoCreate Modeling, we don't have to. Anybody can pick it up and run with it. CoCreate Modeling's explicit, intuitive approach makes our design process both creative and efficient."

– Chris Baker



Medical eye care equipment

## 3. Empower everyone to master 3D CAD.

One sure way to streamline development is to adopt tools that any team member can use, so anyone can help develop new products or re-engineer existing ones. With simple and powerful techniques like copy/paste and drag-and-drop, plus advanced feature recognition and on-the-fly geometry interaction, explicit 3D CAD is easy to learn for anyone on your team.

### Areco Automation, Sweden Moving from 2D design to 3D explicit modeling

"The company quickly adopted [CoCreate Modeling] without disrupting any projects. And now our machines are technically much more advanced, and our customers are very pleased with the result. The software is intuitive enough that new employees simply learn the tool in house – no training courses needed!"

– Jörgen Folkesson



Packaging equipment

### Fuji Electric Retail Systems, Japan Results of competitive 3D benchmark and evaluation

"With CoCreate Modeling, we design freely, and changes are easy to make. Furthermore, it takes only three days for a new user to learn the basics of using the software. CoCreate Modeling has become indispensable to us."

– Tetsuo Suzuki



Vending machine

#### 4. Make everyone productive.

Maximizing productivity is critical today, and explicit 3D CAD delivers a productivity boost for the whole team – not just the experts. Many companies, when deploying more traditional 3D CAD approaches, often see productivity gains only among highly trained and experienced CAD experts. That's because of the overwhelming complexity involved not only with detailed design planning, but also with creating and maintaining delicate history trees that dictate model geometry, and with embedding fragile constraints and relationships. The explicit approach to 3D design eliminates this complexity, which means that even infrequent users of 3D CAD can contribute to designs.

##### **Bergmeier Maschinenbau GmbH, Germany** Results of competitive 3D CAD displacement

“We are more than happy with CoCreate Modeling, as we can concentrate on how to best design a product, instead of how best to use the tool. Product development cycles and costs have been slashed by 50%.”

– Gerd Bergmeier

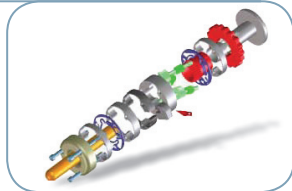


Egg sorting machine

##### **Cushman Engineering, USA** Results of competitive 3D benchmark and evaluation

“A good design system should effortlessly turn ideas into reality in the shortest possible time. PTC's CoCreate products provide exactly that. We are a company that cannot spend time worrying about how to use a design tool, no matter how 'professional' it claims to be.”

– Robert Cushman



Design of a hot dog slicer

#### 5. Accelerate learning with self-paced, online courses.

PTC University delivers world-class online courses and other services to help you get the most from your CoCreate software, so you can optimize your business. Teams can get just-in-time, on-the-job training through intuitive and modular courses for self-learning. The online eLearning libraries are available 24/7, and accessible by every member of your product development team, no matter their role or location. That means every member of your team can self-train when it's most convenient for their schedules.

##### **Fritsch GmGH, Germany** Results of competitive 3D benchmark and evaluation

“Temporary workers who have experience with 3D CAD can be trained within five days, which allows us to quickly reach a high level of productivity.”

– Bernhard Haag



Machinery and equipment for bakeries

##### **Dainippon Screen, Japan** Results of competitive 3D benchmark and evaluation

“The deciding factor in choosing CoCreate was its ease-of-use and quick learning curve. Users' skills naturally improved following only two days of training, allowing them to be effectively left to their own to immediately focus on design.”

– Hirofumi Tano



Thermal plate recorder

**To learn more about the ease and power of CoCreate Modeling, visit [www.ptc.com/products/cocreate/modeling](http://www.ptc.com/products/cocreate/modeling)**