

FWS CREATED 3D SOLIDWORKS DRAWINGS FOR FRUIT PROCESSING EQUIPMENT MANUFACTURER



The Client

The client is based in the United States (Colorado) and has 70 years of manufacturing experience involving fruit processing machinery. They produce high-end products for customers located throughout the world. The client offers exceptional customer service combined with products exhibiting superior operating efficiencies and the highest quality.

Challenges Faced by the Client

The client needed support in producing manufacturing drawings based on legacy versions of 3D SolidWorks drawings and PDF files that included equipment designs with legacy data. The client wanted to update the drawings to reflect equipment manufacturing advancements and changes. While the existing files and drawings were not based on any specific manufacturing standards, the new machine designs primarily needed to follow international specifications based on ASME Y14 guidelines. The client was seeking an engineering support services provider that offered a combination of highly detailed drawings and improved data security.

The project entailed these challenges -

- + Creation of accurate and detailed engineering drawings based on PDF sketches
- + Ensuring compliance with international standards without making major design changes

FWS' Solution

The Flatworld Solutions 3D modeling & rendering services were implemented as following -

- + A team of six experienced drafters, accounts manager and a quality control analyst were assigned the task
- + Process included weekly reviews with the client and a quick turnaround for any needed revisions
- + Approximately 408 new 3D SolidWorks drawings were produced that adhered to ASME Y14 standards
- + The project was completed in about 60 working days

The Results

This project illustrated the increasing importance of replacing outdated 2D and 3D drawings that were based on legacy data and designs. The need to work with existing engineering drawings that involve rough sketches is a common occurrence. With the right expertise, Flatworld Solutions' team delivered drawings with meticulous accuracy that met all client challenges. With two decades of specialized 3D modeling and outsourcing experience, we have made a mark by spreading our service network throughout the world and making clients happier.

Partner with FWS - Leader in 3D Modeling and Drafting Services

Flatworld Solutions is a leader in outsourcing and consulting services with 16 years of deep experience in serving local and global clients with [3D modeling and drafting services](#). It is no surprise that our services deliver two most important value to clients - accuracy, and [cost-efficiency](#). We often go the extra mile to bring you a better service experience that is unmatched.

Our engineering design, drafting and modeling team is skilled in using specialized tools such as SolidWorks, I-Deas, CATIA, Pro/Engineer, Inventor, and AutoCAD. We know how to improve results while enhancing data security for projects of all sizes. Our international expertise includes industries as diverse as piping, marine vessels, consumer goods, aerospace, medical devices, telecom, and electronics. We also offer [reverse engineering](#), [2D drafting services](#), [finite element analysis](#) and more.

[Contact us](#) today to discuss the best ways in which our services can help your business.