

CREATED 3D MODELING SHADOW BOARDS FOR A GERMAN MANUFACTURER



The client is a full-service provider of multi-channel marketing communications powered by cutting-edge technology and rich data insights, and had large data entry requirements when they approached Flatworld for a solution.

The Client

Flatworld Solutions was contacted by a leading shadow board and foam inlay design and manufacturer from Germany. The client required CAD and 3D modeling services for manufacturing their Shadow boards which are used for tools, work pieces, packaging and other applications. They were also looking for a partner who could work on their software and on some occasions required the CAD versions of the files to be shared for manufacturing purposes.

After checking out the portfolio of 3D modeling work and CAD drawings - the client decided to work with the Flatworld Team.

The Problems

Team Flatworld was given the task of creating CAD drawings and 3D models for the shadow boards. There were a few challenges which were handled by the team Flatworld, these were -

- + **No Clarity in Images** - Client required our team to operate from hand-drawn sketches and photographs for which Shadow boards were required
- + **No Details of Dimensions** - Client images lacked dimensions, sketches and photographs were not to scale
- + **No information on Material for manufacturing** - Detailed information on material used for manufacturing shadow boards was unavailable
- + **No specifications in terms of instructions** - We were asked to keep in mind work factors like ergonomics, usability, and less wastage of material

Our Solution

Flatworld took up the challenge and offered the client continuous improvement to work on a long-term basis. Some of the solutions offered by Flatworld were -

- + **Adapted Team Flatworld skills** to client's customized software and created shadow board designs on the same
- + **Aimed to create efficient designs** for industrial production using latest design principles to convert the images to Shadow boards
- + **Created exact and perfect dimensions** of the tools and slots for the shadow board
- + **Ensured less wastage of material**, reduced storage space of tools based on images sent by client
- + **Worked on AutoCAD** for some shadow boards to support in the manufacturing process
- + **Introduced Lean Management approach** for process optimization with systematic changes in processes to improve efficiency, quality and overall additional value

The Results

Flatworld worked on the client's software and adapted to it quickly. Our team was able to convert 3D files to shadow boards, maintaining a turnaround time of 24 hours which in turn helped the client deliver products at a much faster pace and also speed up their manufacturing process.

Flatworld's constant and quality support helped acquire and extend services to the client's American region. With an increase in production by 2.5x for the client in just 4 months, Flatworld also managed to convert the client's American division.

Contact Flatworld for Customized 3D Modeling Shadow Boards

Flatworld Solutions has been offering highly accurate and reliable [engineering outsourcing services](#) including 3D modeling and shadow board creation to global clients for over a decade. Ably supported by state-of-the-art infrastructure and latest technology, our team has vast expertise at offering highly accurate and customized 3D modeling solutions that perfectly meet diverse client requirements.

If you would like to know more about our [outsourcing 3D modeling services](#), and give our services a try, [contact Flatworld Solutions](#) today.