

EXPERIENCE IS THE BEST TEACHER

Objet 3D Printer Enhances Research, Education at ChienKuo Technology University

"We required a 3D printer that would enable us to better educate our students about rapid prototyping and prepare them for their chosen careers. The Objet Eden250 suits our needs perfectly."

— Mao Tso-Fei,
ChienKuo Technology University

Since adopting the Objet 3D printer, cooperation with outside enterprises has grown by 20 percent.

Today's university students require an education that offers the best possible entry into the job market. The Mechanical Engineering Department at ChienKuo Technology University is doing what it can to meet that need. The department sought a rapid prototyping solution to provide students with hands-on, practical experience, and also generate income by enabling the department to offer corporations cost-effective rapid prototyping services.

The department was not satisfied with its previous rapid prototyping solution, as it required a great deal of post-processing. Finding an affordable 3D printer that could print in high quality and with fine details was a priority. At the same time, the department also needed a research solution that would enable students to learn how to move quickly from the initial design stage through the model stage, and gain a better understanding of rapid prototyping theory.

Objet Eden250V 3D Printer Meets Educational and Commercial Needs

The department evaluated several rapid prototyping solutions before deciding on the Objet Eden250V 3D Printer. The team was pleased with the high level of quality and detail, the versatility to print with different materials that have varying Shore values, as well as the fit and form of the prototypes produced by the printer. The 3D printer has also opened the way to enhanced educational and research opportunities for the department's students.

"The Objet Eden250V 3D Printer ensures that the models we produce have smooth surfaces and very fine details," said Mao, professor, Mechanical Engineering Department, ChienKuo Technology University. "In addition, the system's user-friendliness enables us to provide our students with a positive learning experience."

At a Glance

Challenges

- Create high-quality, detailed prototypes for education and research
- Provide more practical, hands-on experience for students
- Ensure simple post-processing once the prototypes have been created
- Help corporations shorten the R&D cycle and be more cost-efficient

Solution

- Objet Eden250™ 3D Printer

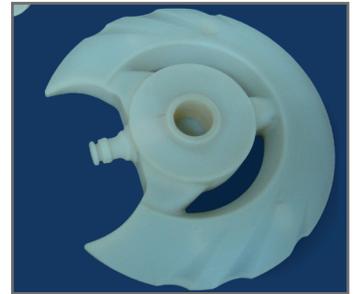
Results

- Enhanced educational experience for students
- More opportunities for cooperation with enterprises, enabling students to gain practical experience
- Approximately 20 percent growth generated from (rapid prototyping) services to enterprises
- Stronger prototypes

Since adopting the Objet 3D printer, the university has increased cooperation with outside enterprises by 20 percent. Students now have greater opportunities to gain practical experience as they are able to create the prototypes requested by the enterprises. This enables the students to finish their studies and embark on their chosen professional path with better career prospects.

“As a department within a university system, our job is to provide the best education possible to our students, and the Objet Eden 3D Printer enables us to do so on a variety of levels,” notes Mao . “Providing commercial rapid prototyping services to companies enables us to offer our students a more comprehensive learning experience, both through the practical application of theories taught in class and through the added income that these services generate. The Objet Eden is definitely the right 3D printer for all our needs!

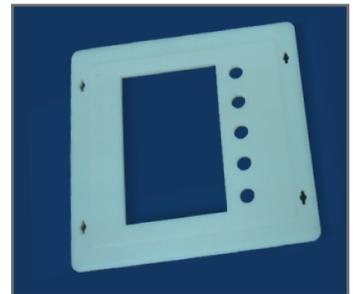
The Objet Eden 3D Printer has enabled our department to take our students' rapid prototyping learning experience to a whole new level.”



The previous rapid prototyping solution required extensive post-processing.



The university selected an Objet Eden 3D Printer because it produces models with smooth surfaces and fine details.



Students have more chances to work with outside companies, improving their career prospects.

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