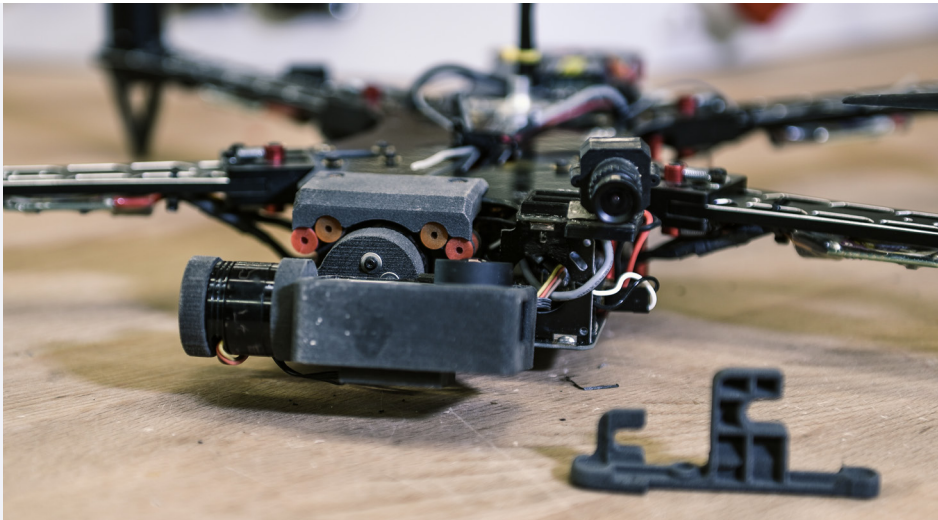




HTL Dornbirn

How 3D printing technology fascinates the young



Example of a school project: These objects for a drone gimbal have been printed on a Sintratec S1.

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The goal of the modern institution in Austria is to prepare adolescents for their career entry and higher education. For this, 140 teachers convey a wide technical knowledge to approximately 1000 students. Professor and Graduate Engineer Harald Walzl, leader of mechanical workshops and specialist groups, says: «There is a great demand for our graduates on the job market because of our practical focus.»

3D printing for school projects

For his teaching activities in the field of business and engineering, mechanical engineering and «Future Tecs»,

Harald Walzl equipped the school with a Sintratec S1. «For us, the Sintratec 3D printing systems combine the important aspects of learning, realizing and maintaining.» As semester or final year projects the students design and print functional parts like a gimbal for a quadcopter. Rims for skateboard wheels have also been manufactured generatively.

Laser sintering in education

For Harald Walzl the key aspect regarding educational purposes lies in the visualization of processes: starting from the idea through construction to manufacturing. In that way, 3D printing offers the young an



3D printed longboard rims.

instructive insight into the world of digitalization. Covering additive manufacturing in a technical education has become indispensable nowadays. Graduate Engineer Harald Walzl summarizes: «We must not oversleep this technology. Therefore, we promote it specifically at our institute. And it is really popular here!».

“The Sintratec systems are easy to use. The combination of acquisition cost, performance and print results is just great!”

Sintratec AG

Badenerstrasse 13
5200 Brugg
Switzerland

www.sintratec.com
info@sintratec.com

HTL Dornbirn

Prof. DI Harald Walzl
Head of mechanical workshops and
specialist groups

www.htldornbirn.at
harald.walzl@htldornbirn.at

