

Workshops



Mechanical Workshop

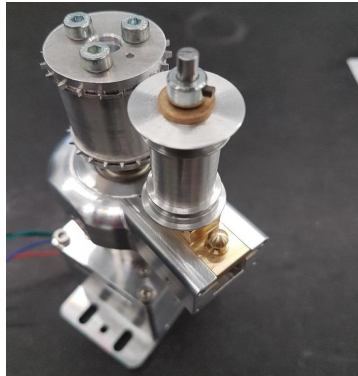
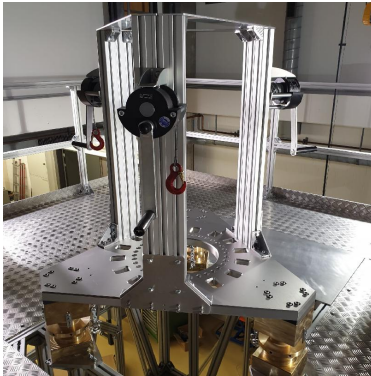
The **mechanical workshop** produces complex parts for all the experiments in house as well as for the large-scale astrophysics and particle physics experiments our groups are contributing to and helps to find solutions for techni-

cal problems. The high competence of the workshop is well appreciated also by other institutes of the university or external companies.

<http://www.physik.uzh.ch/groups/werkstatt>



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The three photograph are examples for work done in our workshop: prototype of the DARWIN Demonstrator for the group Baudis (left), a digitizer for old films for the department of film studies UZH (middle) and a vibration damping table for the group Natterer (right).

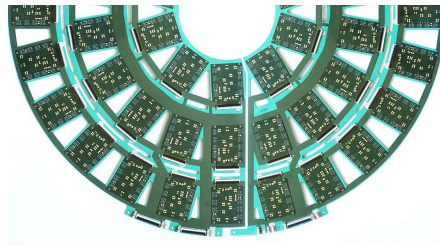
Electronics Workshop

Besides maintenance work for the existing laboratory infrastructure the **electronics workshop** continuously supports the groups of our institute with technical advice, prototypes and new developments for ongoing projects. Besides many ongoing and newly developed projects for the research groups of our institute we developed the

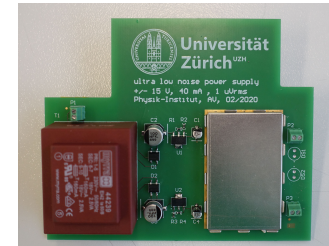
steering electronics for an anaesthesia gun that was built in the mechanical workshop. The motorised turnable and tiltable gun that works with compressed air is equipped with a CCD camera, a motion detector, a laser pointer and IR lighting. It will be used for remotely narcotise wild animals.



Case with the control electronics for an anaesthetic gun.



Design of the printed circuit board for the CMS Pixel Endcap Upgrade.



Bipolar 15V power supply with extremely low noise ($<1\mu\text{Vrms}$).