

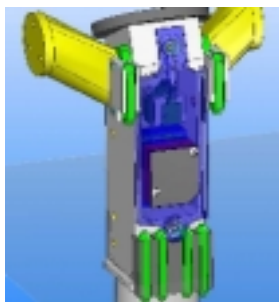
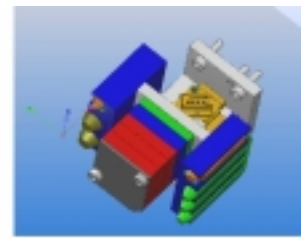
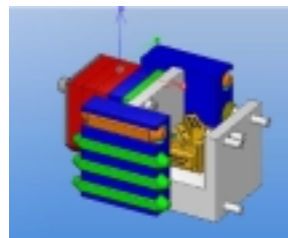
Denton COE completes integration of the DTS SLICE NANO™ technology into Q1.5 and Q3 Child Dummies

Since many years Denton COE has successfully developed integration solutions for in-dummy DAS systems, primarily for the Hentschel DTI technology. Up till now Denton COE has installed about 60 in-dummy systems into different types of crash test dummies.

The latest project was the integration of the new DTS SLICE NANO™ technology into the Q1.5 and Q3 child dummies. Naturally, the integration of a DAS system into child dummies is very challenging due to the limited space given inside the ATD.

Both Q-dummies are equipped with accelerometers in the head and chest, a 6-channel upper neck load cell and chest potentiometer.

In the head, there are nine DAS channels together with connector fixation brackets installed. The head assembly itself has not been modified at all.



The thorax DAS modules together with the connector fixation brackets are placed inside the spine box. The only cable outside the dummy is for the communication (USB) and power supply for the dummy.

The completion of this project has proven the importance for having the right in-house machining and CAD capabilities, a major part of last years investments undertaken by Denton COE. From the drawing to the final part, all integration components can be developed up to production level.