



DRILL CORE
V-UNIT
Visualisation-unit

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DRILL CORE
v-unit
visualisation-unit



Asphalt testing becomes intelligent:

The v-unit is used to visualize asphalt cores. Here, the lateral surface of the rotating drill core is recorded by cameras, displayed on a screen and further evaluated with the help of a neural network.

Unlike classic image processing, a neural network does not need any conventional rules. This makes it much easier to use. The asphalt drill cores are analyzed by this adaptive neural network, which recognizes the individual layers of the core and distinguishes them from one another. The network is initially pre-trained, but in use can accept input from testers to further improve measurement accuracy.

This drilling core visualization unit is a collaboration between Wohl + Partner from Schalkau in Thuringia, the Fraunhofer Institute Augsburg, mFund and the BVI.

scope of delivery:

- core visualization unit „v-unit“
- PC incl. control software
- control monitor

Typ	v-unit
Width / depth / height	700 mm x 950 mm x 2270 mm
Weight	ca. 60,00 kg
Max. specimen diameter	at present 150 mm