

The joint inspector – a new method of quality control for construction joints in diaphragm walls

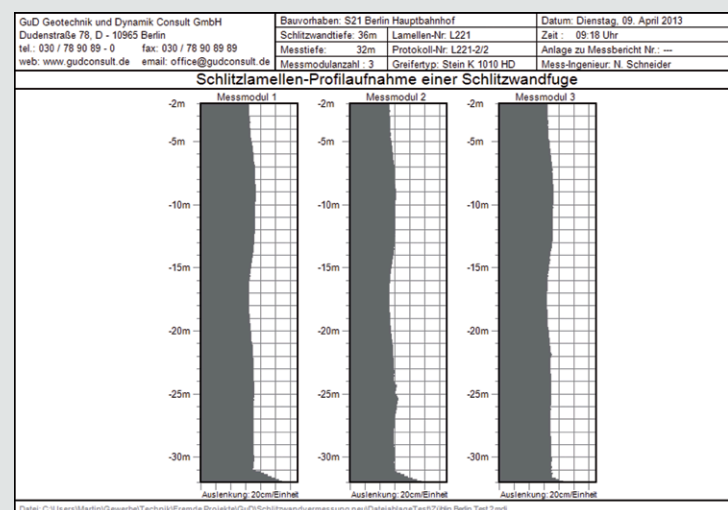
The panels of diaphragm walls are interlocked by construction joints to form a continuous wall. Quality checks on exposed primary panel faces help increase the construction quality and decrease the risk of failures.



After the joint inspector is mounted to the grab unit, it scans the joint profile during one additional excavation cycle.



Mechanical sensors read the joint profile regardless of the width of the wall and the type of joint used.

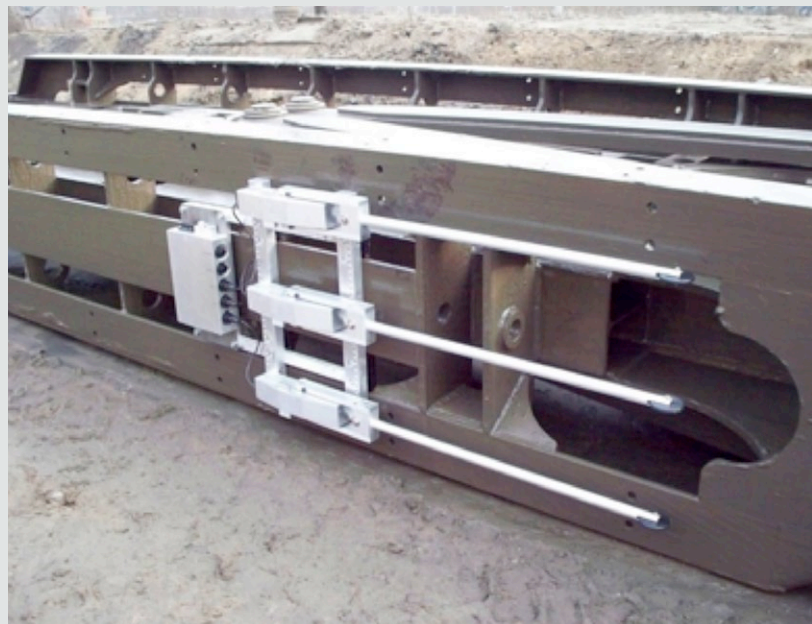


Readings are available at once and allow for assessment the joint quality. If excess concrete is detected, corrective measureless can be implemented during the construction stage.

The joint inspector – adjustable to different joints of diaphragm walls and different types of grab units



The joint inspector has been designed in modular units and is easy to mount to the steel frame of the grab unit. Up to 5 sensors can be implemented.



After cleaning the joint inspector with a water hose and resetting the arms, it is ready to take the next reading.



GuD GEOTECHNIK und
DYNAMIK CONSULT GmbH

Berlin
Darwinstraße 13
10589 Berlin

Tel. +49-30-78 90 89-0
Fax +49-30-78 90 89-89
E-Mail office@gudconsult.de
www.gudconsult.de