

DMT CoreScan[®]3

Digital Drill Core Imaging System for Geotechnical Applications

Portable core imaging device in combination with a set of analysis software developed for drill core image acquisition, storage and evaluation. Images of full circumference (360°) and core boxes of any dimension can be scanned and analysed.

Functions

- Applicable on any core drilling project
- Portable stand alone system
- Online global accessibility of core images
- Digital drill core library
- Structure analysis and presentation
- Analysis of mineral content
- Determination of grain size distribution
- Derivation of geomechanical parameters (RQD)

Services

- Selling and leasing of the CoreScan system
- Training on the CoreScan system
- Scanning of drill cores
- Re-orientation of the drill core log according to borehole inclination and deviation
- Structural and petrographical analysis of drill cores



Heavily broken cores to scan and analyse

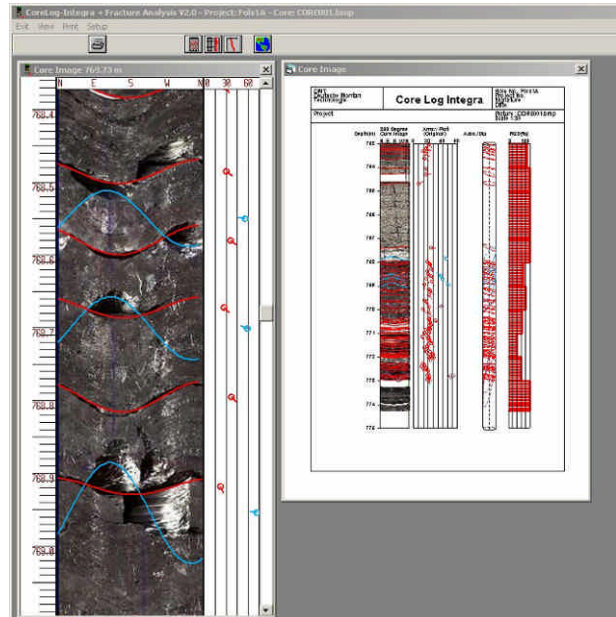


DMT CoreScan3

Geotechnical Core Analysis

Tasks

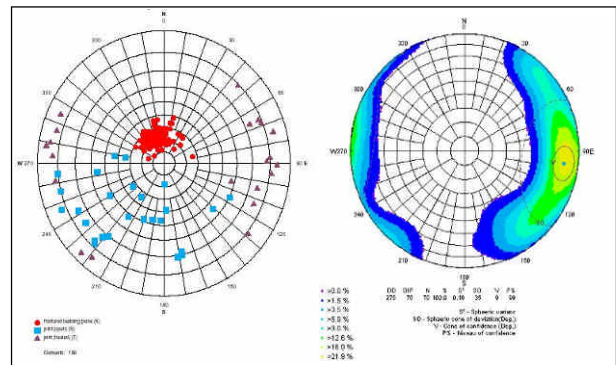
- Scanning of drill cores up to 300 m per day
- Creation of a digital drill core library with quick search functions
- Re-orientation of the drill core log according to borehole inclination and deviation
- Structural analysis of drill cores and presentation (stereographic projection)
- Special routine for structural analysis of heavily broken drill cores
- Derivation of geomechanical parameters (RQD 10, 20, 30), fracture density, fracture distance



Core image with marked structures and composite log



Application in tunnelling



Pole and density diagram

DMT GmbH & Co. KG
Exploration & Geosurvey

Am Technologiepark 1
45307 Essen, Germany

Phone +49 201 172-1970
Fax +49 201 172-1971
info.corescan@dm.de
www.corescan.de

TÜV NORD GROUP

