

Torque controlled „Laboratory-Complete-System”

Easy laboratory system in method, handling and software. Designed with automatic feeding system, integrated manual X-Y-positioning table for aligned positioning as well as for recording of series of measurements plus analysis of results

TTT System /ZAP / MPT / TSE / PCA4)

Performance

With smart measurement-methodology and -equipment

ZAP

Z-axis balanced and smooth feeding system with special start-functions for easy and faultless operations in laboratories

MPT

Integrated manual X-Y-positioning table for exactly controlled handling and TTT system-start for faultless measurements

TSE Temperatur-Sensor-Equipment

The TSE (option) is furnished with a temperature measurement unit incl. optics, fixation handle for evaluation the temperature Delta T and calculation / analysis with PCA4

TTT Software PCA

PC-evaluation & analysis software for comparative value observation with allocated storage of definable series of measurements plus an analyser for individual automatic analysis including flexible differentiations of various single- and series of measurement results

TTT Measurement-Equipment

Please see separate information sheet

Application / Features

For lubricants evaluation & development:

of cooling lubricants (WMF), metal processing lubricants and neat and soluble oils (Multiple Evaluation System MES)

of sales and distribution arguments (acquisition) and honest customer-support (screening) for best production results & customer's benefit (added value)

of quality control procedures for the lubricant production (final-control)

For evaluation & development of optimized tap tool geometries and tool coatings

For achievement of optimized production parameters and for analysis of errors and influences (FMEA)

For process-controlled and safe production regarding quality standard ISO 9000 with quality assessment including protocol