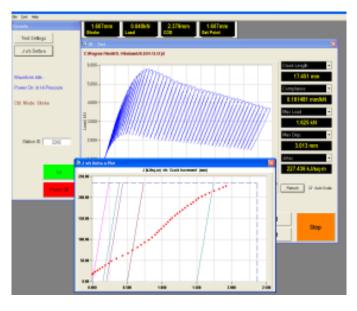


## Fracture Toughness Test Software

## AC-08-0005



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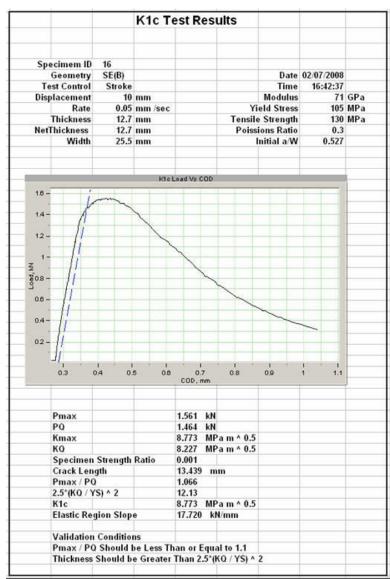
BISS Fracture Toughness test application software is designed to perform ductile and brittle fracture toughness tests under MTL32 environment with 2370 controller.

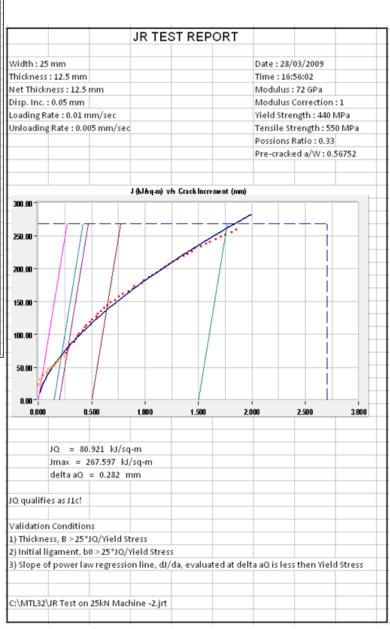
Fracture toughness test is done as per ASTM E1820 for J1c, CTOD and ASTM E 399 for K1c. It includes various specimen geometries like C(T) LLD, C(T) MOD, SE(B), DC(T) etc.

## Technical features

- Tests can be done in Stroke, Load control or COD control
- Fracture toughness testing for K1c and single specimen J1c
- Single specimen multipoint test to analyze Ja
- Auto DAQ settings for data acquisition
- Option to convert any language
- Test assignment, raw data and test results can be exported to excel online
- Test termination includes limit on maximum displacement, crack length increment, maximum load or % drop in load
- Compliance and SIF constants required for estimating the crack length are incorporated in software according to specimen geometry
- Offline post processing program to analyze
  the results in MS Excel
- Numeric display of all parameters
- Limit interlock on load and displacement







## Note: Specification are subject to change without prior notice