

# 피로시험기(10톤) 23

## Dynamic Material T.S.

장비관리번호	F20090263
취득일자	2009-08-10
제조회사	MTS(미국)
모델명	Model 370
설치형태	고정설치



장비용도	각종 재료 및 부품의 기본적인 물성치인 인장 데이터와 내구성 평가에 필요한 피로시험 데이터를 취득하기 위한 시험기
시험항목	부품 및 시편의 인장시험, 피로시험, 파괴인성시험
주요사항	<ul style="list-style-type: none"> <li>• MTS Model 370.10 Load Frame Assembly 외</li> <li>• This system shall be used to test dynamic characteristics of specimens for railroad materials and small components.</li> <li>• Nominal dynamic load rating : <math>\pm 100</math> kN or higher, fatigue rated.</li> <li>• It shall be performed below performance requirement. All hydraulic components shall be properly sized. The customer must submit the performance curve data. Load Case: Mean load<math>\pm</math> 0 kN, Cyclic Load<math>\pm</math> 80 kN 1 Hz : <math>\pm</math> 30 mm(double amplitude 60 mm) 10 Hz : <math>\pm</math> 4 mm(double amplitude 8 mm) 30 Hz : <math>\pm</math> 1 mm(double amplitude 2 mm)</li> <li>• The system shall include all components necessary for complete system operation including high stiffness frame and hydraulic actuators, digital control electronics, hydraulic service manifold, cables, plumbing and all necessary fittings and connectors.</li> <li>• The system shall include fully automated control, data acquisition and analysis.</li> <li>• All transducer ranges shall have a traceability calibration as NIST standards.</li> </ul>
구성품	<ul style="list-style-type: none"> <li>• Load Frame</li> <li>• Actuator</li> <li>• Controller</li> <li>• Grip and Extensometer</li> </ul>
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