

Rail Fatigue & Rail-Fastening Test Rig

Test | Railway | Rail & Civil

The rail fatigue & rail-fastening test rig is designed to apply loads from various angles to simulate the stresses experienced by the track during train travel. Therefore, it is necessary to design and incorporate various jigs based on the specific track products that will be tested in the future.

* Test Items

- Longitudinal rail resistance test
- Torsion resistance test
- Fatigue loading test
- Initial clamping force test
- Determination of stiffness test
- Pull out resistance test
- Vertical spring coefficient test

* 테스트 항목

- 종방향 레일 저항 테스트
- 비틀림 저항 테스트
- 피로하중 시험
- 초기 클램핑력 테스트
- 강성 시험의 결정

* Application Standards

- EN 13146-1 : Railway Applications
- EN 13146-2 : Railway Applications
- EN 13146-4 : Railway Applications
- EN 13146-7 : Railway Applications
- EN 13146-9 : Railway Applications
- EN 13146-10 : Railway Applications

* 적용기준

- EN 13146-1 : 철도 적용
- EN 13146-2 : 철도 적용
- EN 13146-4 : 철도 적용
- EN 13146-7 : 철도 적용
- EN 13146-9 : 철도 적용
- EN 13146-10 : 철도 적용



Item	Specification
Actuator	250 kN 2set
Horizontal Actuator	100kN 1set
U-frame	+/- 90 degree (Electric motor control)
Controller	3 ch