

# Wheel-Rail Contact Simulation Test Rig



Test | Railway | Rail & Civil | 스팀 | 철도산업 | 궤도 & 토목

The high-speed wheel & rail contact simulation system is designed to analyze and measure all aspects of the wheel and rail contact surface during high-speed rotation. This system facilitates various tests including rolling contact (RCF) tests, adhesive strength tests, wear tests, etc., applicable across subway to high-speed train operations.

고속 휠 & 레일 접촉 시뮬레이션 시스템은 고속 회전 중 휠과 레일 접촉면의 모든 측면을 분석하고 측정하도록 설계되었습니다. 이 시스템을 통해 지하철부터 고속열차 운행까지 적용 가능한 구름 접촉



| Item          | Specification                     |
|---------------|-----------------------------------|
| Specimen      | Wheel & Rail : up to 1000mm (Dia) |
| Test Speed    | 0~2470 rpm @ 1000 mm (Dia.)       |
| Radial Force  | 180 kN, +/-2.5 mm @ 20 Hz         |
| Thrust Force  | 100 kN, +/-7.5 mm @ 20 Hz         |
| Contact Angle | 0 ~ 3 degree                      |
| Attack Angle  | -3 ~ +3 degree                    |

Complete Instrumentation Solutions Private Limited,  
 Suite # 512, Suncity Business Tower, Golf Course Road, Sector-54, Gurgaon-122011, Haryana  
 Tel: 0124-4929000 | E-mail: [info@instrumentation-solutions.com](mailto:info@instrumentation-solutions.com)  
[www.instrumentation-solutions.com](http://www.instrumentation-solutions.com)