



EUROAMERICA
TEST AND MEASUREMENT SOLUTIONS

ADDITIUM

Gravity Based Impactors

The Energy Absorption Impact Test Rig (EAITR) is a highly accurate test system for conducting component level tests and the Bumper Pendulum is a stiff, steel structure supporting a weight adjustable swinging basket for performing vehicle bumper impacts.

Energy Absorption Impact Test Rig (EAITR)

- Velocity: 15 k/mh
- Impact Mass: 500 – 3500 kg
- Energy: 13,500 j
- Penetration Distance: 400 mm
- Brake for second impact avoidance
- Integrated speed meter
- Based on ECE-R42, GB17354-1998, FMVSS Part 581, CMVSS 215



Bumper Pendulum

- Impact Speed: Up to 10 km/h (35 angle)
- Basket Height (Adjustable): 350 – 650 mm
- Basket Weight: 1000 – 3500 kg
- Instrumentation: Speed Meter, Accelerometers & Load Cells (optional)



euroamerica-llc.com | (937) 407-7572