

# Pendulum test bench

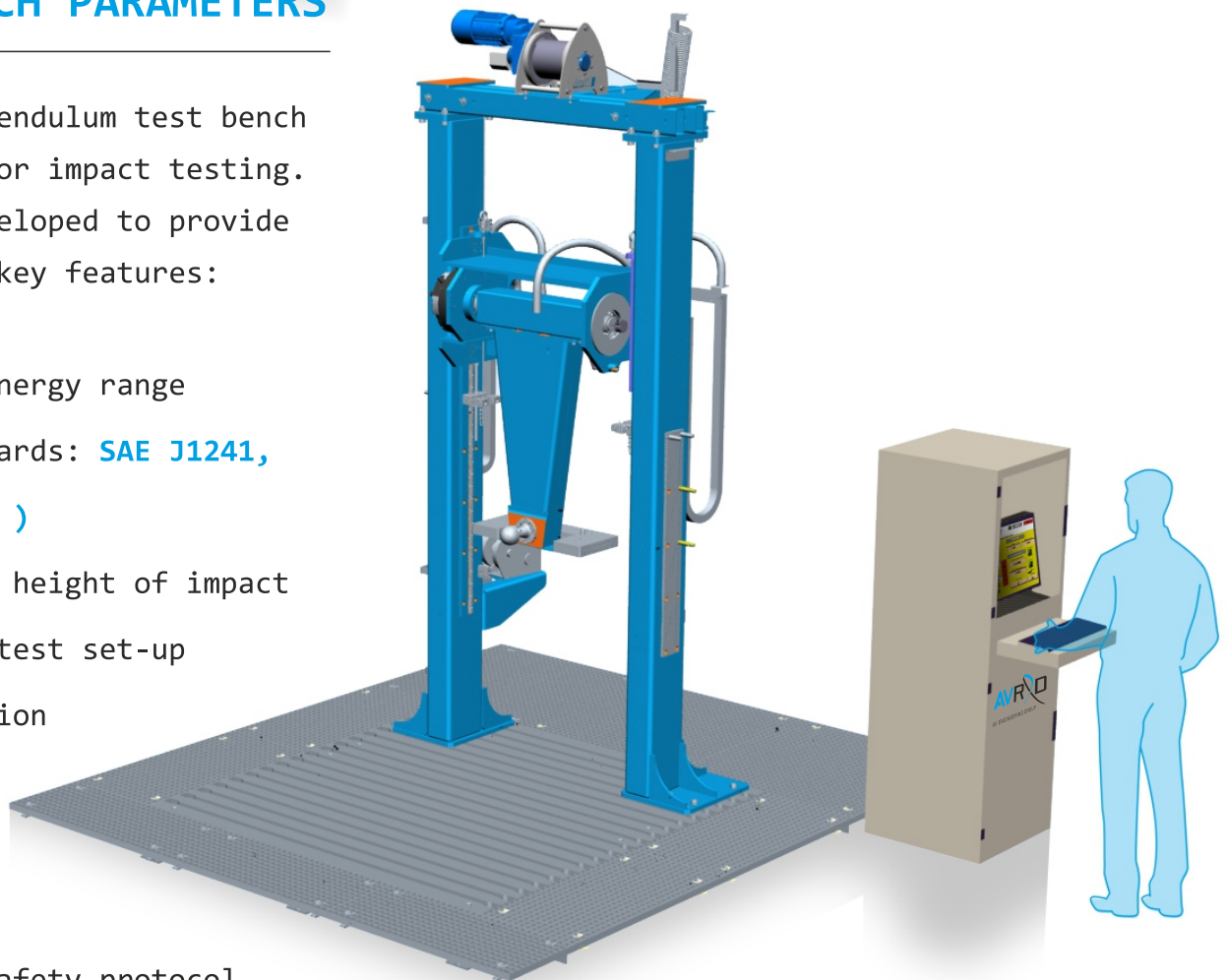
AV037 [www.avrnd.eu](http://www.avrnd.eu)



## TEST BENCH PARAMETERS

AV037 is pendulum test bench intended for impact testing. It was developed to provide following key features:

- ▶ Variable energy range  
(for standards: [SAE J1241](#),  
[ECE-R34](#), ... )
- ▶ Adjustable height of impact
- ▶ Automatic test set-up  
and execution
- ▶ Advanced safety protocol
- ▶ Prevention of multiple impacts
- ▶ Different impactor shapes



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Outer dimensions	Width 3100 mm Depth 3500 mm Height 3500 mm
Total weight	5.5 t
Impact energy range	~100 J - 800 J
Impact point vertical position range (from floor level)	200 mm - 1200 mm
Impact limit for 45° obstacle	50 kN (envelope of limit force and impact angle)
Power supply	400V/16A
Main sensors	Force sensor - up to 50kN Angle sensor - 0.1° accuracy Accelerometer - 50G (100G)