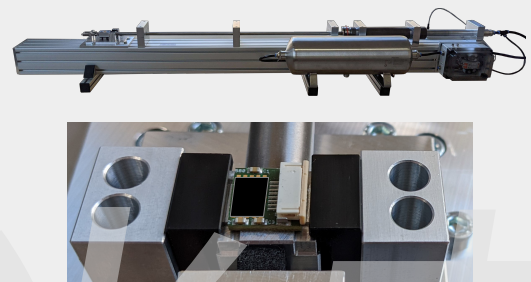


Application

dm4 is specially designed for the demands of very high shock vibration testing. The shock exciter makes use of the Hopkinson-Bar principle with a pneumatic drive. The so called “Fly Away” technology ensures that – unlike to classical Hopkinson-Bars - only one positive shock* stimulates the DUT which is mandatory for defined shock testing. Due to the design of the “Fly Away” assembly automated testing is possible.

Features

- Acceleration amplitude up to 200.000 g *
- Pulse duration 20 μ s ... 70 μ s *
- In plane / out of plane DUT orientation



General Technical Data

- Size: 200 cm x 30 cm x 25 cm (length x width x height)
- Weight: 50 kg
- Power requirement: 24 V DC; 2,5 A
- DUT mounting: glueing / double sided tape
- Media requirements: pressurized air (8 bar), vacuum (< -0,9 bar)
- Option: control software

* Typical shock signal with “Fly Away” technology on next page

* For detailed spec refer to performance diagram next page

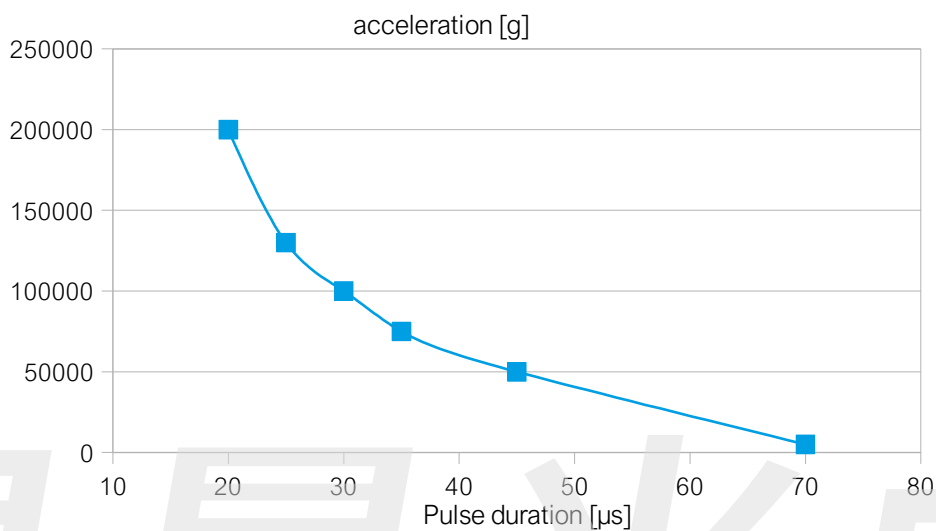


Figure 1: Performance Diagram

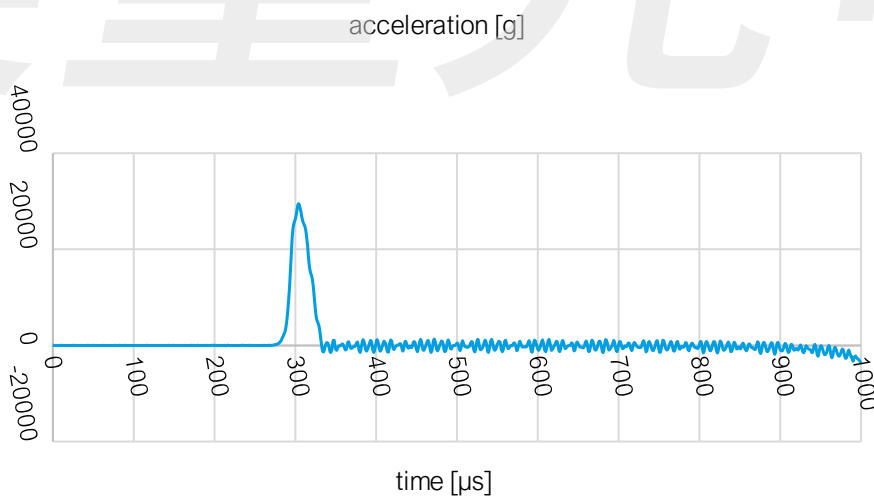


Figure 2: Shock signal using the "Fly Away" technology