# Impact Test Machine

## Standard Features

### Specifications

Complies with:
- TB700-2, Section 5-3b
- MIL-STD 1751A, methods 1011 and 1014
- Capable of perform Modified Bureau of Mines (MBOM), Bureau of Explosives (BOE), and Type 12 Testing
- Interchangeable tooling to meet the criteria given in each standard

### Operating Range

- 0.1-116 cm drop heights at intervals of 0.1 cm

### Safety Features

- Automated sequencing
- Automated safety pin
- Operator shielding
- Ergonomic function with no lifting or repetitive motion

### Standardized Operating Instructions

Explosives Testing Users’ Group (ETUG) approved:
- Owner’s Manual
- Operating Manual
- Testing Procedures
- Calibration Protocol
- Procedure for resurfacing anvils and inserts

### Included Services

- On-site setup, calibration, and training
- 1 year parts and workmanship warranty

### Optional Hardware

- Reaction Detection System
- High speed video
- Data acquisition system including laptop
- GoDetect software (inquire for more details)

## Standard Hardware

- Modified Bureau of Mines (MBOM) Tooling
  - 2.0 kg Drop Mass
  - Intermediate Hammer
  - Intermediate Hammer
  - Insert with certified flatness, hardness, and surface finish
  - Intermediate Hammer Collet
  - Insert Retaining Nut
  - MBOM Anvil with certified flatness, hardness, and surface finish

- Bureau of Explosives (BOE) Tooling
  - 3.63 kg Drop Mass
  - BOE Impact Mass
  - BOE Impact Casing
  - BOE Impact Die
  - BOE Impact Plug
  - BOE Impact Plunger
  - BOE Impact Anvil
  - BOE Impact Anvil Base
  - BOE Spacer Post

- Type 12 Tooling
  - 10, 15, 20, 25, kg intermediate mass assemblies (intermediate hammer, intermediate hammer collars, and type 12 nuts)
  - Brass cups
  - Stainless steel disks
  - Type 12 Anvils with certified flatness, hardness, and surface finish

- Electromagnetic drop mass release
- Touch screen with user friendly interface
- Linear drive
- Safety Pin
- Drop mass tolerances of 0.05 kg
- Mechanical catch mechanism to prevent double hits

## Safety Management Services

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