

Mechatronic Fuze

TBRL has designed and developed a mechatronic fuze against GS requirements. The technology has been demonstrated to the user that has shown keen interest in the product and requires mechatronic fuze for further field/user trials. The fuze, once approved, will replace pyro based fuzes.

Mechatronics fuze 'TBR-MFG MK I' is a combination of mechanical & electronic components. Design is built around an embedded system based electronic hardware that is powered by a commercially of the shelf (COTS) battery. It makes use of a miniature electric detonator compatible with the battery and other electronic hardware.

Fuze Specifications

1.	Type	Mechatronic Fuze
2.	Mode of Operation	Time delay, Impact, default
3.	Length	53 mm
4.	Maximum Diameter	63 mm
5.	Mass	125 gm

- Only Indian Industry owned by Indian individuals shall be allowed to take ToT of this product.
- Industry should have valid license from DIPP/ other agencies for processing, ammunition filling i.e. handling and assembly of explosive components (Detonators, PETN/RDX etc.).
- The industry will also be required to assist TBRL in conduct of field/user trials.
- Interested industries seeking ToT may write to:
 - I. Director, TBRL
Sec -30 Chandigarh- 160003
 - II. Director, DIITM
DRDO HQrs DRDO Bhawan
Rajaji Marg New delhi-110001