

CO2 RECOIL SYSTEMS

Cubic Range Design Solutions (CRDS) can supply two different Recoil System kits that quickly and easily convert a regular handgun or rifle into an effective training weapon using compressed gas instead of ammunition. Both systems cycle the weapon's firing mechanism exactly as it would during live shooting, while simulating recoil. The Air Recoil System (ARS) uses CO₂, nitrogen or compressed air, which is supplied from a belt-worn cylinder to the weapon through a hose. The Tetherless Recoil System (TRS) uses standard disposable CO₂ cartridges with a modified magazine.

ARS and TRS Kits

The handgun systems include the barrel body, internal valve, piston, modified magazine, interface block and a reduced power spring. Each kit is supplied with an CRDS coded laser insert.



Beretta ARS Kit



Beretta TRS Kit



M4 TRS Kit; Barrel-mounted AIS coded laser

The rifle systems include an actuator that replaces the original bolt carrier and a modified magazine. The PRISim coded laser is mounted to the barrel.

For ARS systems, the gas is supplied via an air coupler and an external air source connected to the magazine. For the TRS systems, the gas is supplied to the actuator via the replaceable CO₂ cartridge in the modified magazine.

ARS Weapons:

Beretta 92/96/M9, 9mm/40 S&W

Glock 17, 9mm

Glock 22, 40 S&W

H&K P2000

M16/AR15/M4

MP5/HK-94, 9mm

MP5 Compact Versions, 9mm

SIG P220, 45 ACP

S&W M&P, 9mm/40

TRS Weapons:

Beretta 92/96/M9
 CZ-75, 9mm Glock 17/19/22/31
 H&K G36
 H&K MP5
 H&K USP Compact, 9mm
 M16/AR15/M4
 SIG P226, 9mm
 SIG P229, .40 cal

Tetherless Recoil Kit

The Tetherless Recoil Kit quickly and easily converts a standard handgun or rifle into an effective training weapon using compressed CO2 gas instead of ammunition. This allows the shooter to fire a large number of simulated rounds at a negligible cost. The system cycles the weapon's firing mechanism exactly as it would during live shooting, while simulating recoil. After the training session, the entire assembly can be quickly removed from the weapon—without special tools—making the weapon available again for use with live ammunition.

The handgun system includes the barrel body, internal valve, piston, modified magazine, interface block and a reduced power spring. The laser insert is an CRDS coded laser. The CO2 cartridge inside the magazine can be refilled with the optional adapter plate and a refill station.

The rifle system includes an actuator that replaces the original bolt carrier and a modified magazine. The PRISim laser insert mounts on to the barrel. An optional wireless station allows for instructor-induced stoppages and round count. Recoil is generated for both systems via refillable CO2 cartridges in the modified magazines.

Available Kit Options

Rifle

- Magazine with rechargeable battery and internal CO2 reservoir
- Magazine recharge station
- Magazine refilling station and adapter plate
- Wireless station for stoppages and round counts

Handgun

- Magazine with refillable or replaceable CO2 cartridge
- Magazine refilling station and adapter plate

Current Available Weapons:

Beretta 92/96/M9, 9mm/40 S&W
 M16/AR15/M4



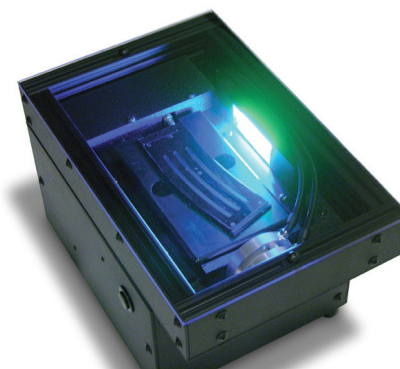
Beretta Kit with Modified Magazine



M4 Kit with modified magazine



Recharge Station



Refilling Station