

The **Gyro Dart Ball Launcher** is an innovative solution designed for deploying darts for full-bore dart-activated frac sleeves. The patented “Dry System” is designed to protect the launcher, which consists of a Lexan protective wall, lid, and a high storage capacity. Its unique design also allows launching regular frac balls alongside darts when running a hybrid face sleeve program, eliminating the need to shut down the launcher system.

## Features & Benefits

- 23 dart or ball capacity.
- Capable of dart/ball launching up to 5.5" casing.
- Hydraulic brake and conveyor system allows only one dart/ball to be launched at a time, eliminating the risk of launching the wrong dart/ball.
- Hydraulic "HCR" operated gate valves for staging.
- Compatible with pressures up to 15,000 psi.
- Launcher logs and job notes provided.
- Easily loaded and unloaded without having to depressurize.
- Lexan walls and lid give the ability to maintain constant visibility.
- Compatible with any frac head style.
- Remotely operated for safety.

## Benefits over other launchers

- Compact platform.
- Quick loading.
- Holds up to 23 balls total.
- Electronically controlled.
- Minimalistic design (fewer moving parts).
- Provides full, 5-1/8" vertical bore access.
- Easily functional if power loss occurs with manual override on drive shafts or quick-removable plug to manually drop in the vertical bore.

## Frac package benefits

- Dual Hydraulic Control Remote (H.C.R) valves allow for isolation of the ball launcher, mitigating premature ball failure or degradation.
- Field-proven frac package success.
- Great North Wellhead & Frac offers complete well solutions from drilling to production.

