

Safe and Efficient Cryofracture Presses

Macrodyne Cryofracture Presses are designed for safe and efficient destruction of munitions.



Macrodyne Advantages

North America's Largest Hydraulic Press Manufacturer

Heavy-duty presses up to 20,000 tons, Automation, and Die Handling Equipment for dies weighing more than 100 tons.

RELIABLE

The industry leader in designing and manufacturing high-quality hydraulic presses with superior operational flexibility and extensive functionality to perform for decades.

CUSTOMIZABLE

Standard or custom-designed solutions for any application.

COST-EFFECTIVE

The right press and automation for your application within your budget.

Innovative Cryofracture Solutions

Macrodyne cryofracture presses feature deep slides offering precision guiding, parallel slide motion and enhanced eccentric load capabilities necessary for the cryofracture process.

All structural elements of our presses are optimized using finite element analysis (FEA) to ensure maximum stiffness and torsional rigidity for both working loads and potential explosive forces.

Macrodyne hydraulic cryofracture presses may be supplied with a variety of options:

- Blast isolation valves & discharge chutes
- Pneumatic tilt table
- Blast shields
- Remote diagnostic services
- Mobile cryofracture press container
- Sacrificial plates for frame & slide
- Integration services for robots & conveyors

Macrodyne offers mobile type presses in order to minimize fixed capital costs associated with plant facilities.

| MODEL | TYPE | WORKING FORCE | CAPACITY |
|---------------|------------|---------------|-----------|
| MPMC 200/1000 | Mobile | 200 Tons | 1000 Tons |
| MPC 200/1000 | Stationary | 200 Tons | 1000 Tons |
| MPC 400/1250 | Stationary | 400 Tons | 1250 Tons |
| MPC 600/1500 | Stationary | 600 Tons | 1500 Tons |

In addition to supplying new custom cryofracture hydraulic presses, Macrodyne provides comprehensive service, rebuild and upgrade options for existing presses of all makes and models.