

- **Proven Performance**
- **Low Cost Tooling**
- **Compact Design**
- **Modern Controls**

About Triform

The Triform line of sheet hydroforming presses is a development of the Pryer Technology Group (PTG). PTG is a union of highly experienced and successful professionals committed to offering solutions to its customers via advancements in new technology and the modernization of existing technology.

Triform sheet hydroforming presses are revolutionary. Since the 1980's there has been a clear and recognized need for an alternative solution to the older style fluid cell presses. By utilizing the latest computerized engineering software, modern hydraulics and advanced CNC-style controls, Triform now provides affordable hydroforming presses that are a must-have for manufacturers involved in sheet metal forming.



How is the Triform Unique?

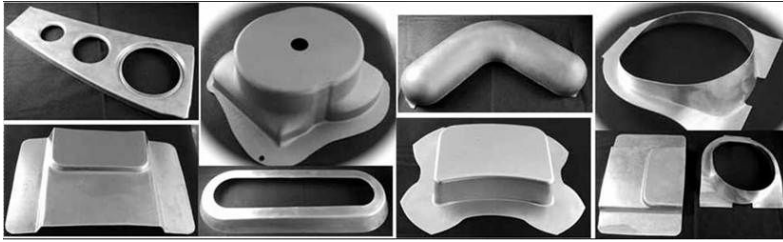
The use of advanced engineering allowed for the design of a unique pressure containment system that significantly reduced the press size without sacrificing integrity or durability.

Triform Hydroform Presses are available in Deep Draw or Fluid Cell configurations in a variety of sizes.

Most Triform presses are highly portable and install in a matter of hours at any facility with no pit requirements. Each Triform is equipped with the latest in hydraulic and control technology and is standard with applicable guarding.

Benefits of Hydroforming

- Low tooling costs – Single Tool Technology
- Less complex tooling
- Net Shape part production
- Minimal part thinning
- Minimal spring back
- Ideal for high strength materials
- Draw complex parts in one cycle
- Minimal distortion of sheet finish
- Low work hardening



| TriForm Model: | 12-10-7BD | 16-10-7BD | 24-10-10SC | 32-10-12SC |
|---------------------------|----------------------|----------------------|----------------------|----------------------|
| Capabilities: | 565 Ton | 1,000 Ton | 2,200 Ton | 4,000 Ton |
| Max. Chamber Pressure | 10,000 psi | 10,000 psi | 10,000 psi | 10,000 psi |
| Forming Area | 12" Dia. | 16" Dia. | 24" Dia. | 32" Dia. |
| Lower Punch Force | 280 Tons | 380 Tons | 630 Tons | 2000 Tons |
| Lower Punch Stroke | 7" | 7" | 10" | 12-1/2" |
| Draw Depth Capacity | 7-1/2" | 7-1/2" | 10" | 13" |
| Max Punch Tool Diameter | 8-1/2" | 12" | 16-3/4" | 26" |
| Daylight | 12" | 12" | 19-1/4" | 18" |
| System Dimensions: | | | | |
| Overall System Length | 36" | 63" | 185" | 356" |
| Overall System Width | 110" | 145" | 99" | 113" |
| Overall System Height | 100" | 120" | 112" | 151" |
| Floor Space Required | 146" x 48" | 175" x 106" | 118" x 220" | 145" x 395" |
| Total System Weight | 25,000 lbs. | 45,000 lbs. | 50,000 lbs | 150,000 lbs. |
| Control System: | | | | |
| CNC/PLC | Allen Bradley | Allen Bradley | Allen Bradley | Allen Bradley |
| Electrical By | Allen Bradley | Allen Bradley | Allen Bradley | Allen Bradley |
| Touchscreen Interface | AB PanelView (Color) | AB PanelView (Color) | AB PanelView (Color) | AB PanelView (Color) |
| Power System: | | | | |
| Main Motor Horsepower | 75 HP | 150 HP | 100 HP | 150 HP |
| Pump Manufacturer | Oil Gear | Oil Gear | Oil Gear | Oil Gear |
| Working Fluid | ISO 46 W | ISO 46 W | ISO 46 W | ISO 46 W |
| Heat Exchanger | Included | Included | Included | Included |
| Temp/Level Sight Gauge | Included | Included | Included | Included |
| Main Power | 480V | 480V | 480V | 480V |
| Phase | 3 Phase | 3 Phase | 3 Phase | 3 Phase |
| Hz | 60 Hz | 60 Hz | 60 Hz | 60 Hz |
| Control System Voltage | 110V | 110V | 110V | 110V |
| FLA Draw | 85 Amps | 185 Amps | 120 Amps | 180 Amps |

Deep Draw Process

Deep Draw capability is available by utilizing a punch ram. These systems are equipped with fully programmable precision CNC control of the forming pressure (down to 1% of full scale) and punch travel (± 0.002 ").