

TRIFORM

Sheet Hydroforming

Press Model
1648-10BD

The Next Generation in Sheet Hydroforming

Our revolutionary Triform presses have been engineered using the latest technology: Modern design software, state-of-the-art hydraulics and advanced controls. The result is a sophisticated line of hydroforming presses that offer both shallow and deep draw forming capabilities for use in a wide range of industries - aerospace, lighting, automotive, medical devices and more. Triforms offer precision forming in a portable, versatile, easy-to-use design.

Why Triform?

The Triform creators are highly experienced engineering and manufacturing professionals with decades of involvement in the aerospace and machine tool industries. Through first-hand experience and extensive research, it was found that existing hydroform presses were too expensive, too heavy, and physically impractical for many users. Additionally, quality used hydroform presses are rare and often antiquated with unreliable controls and hydraulic systems.

How is the Triform Unique?

The use of advanced engineering allowed for the design of a unique pressure containment system that significantly reduced the size of the press without sacrificing integrity or durability. The 3,560 ton press requires no special flooring or ceiling height requirements which eliminates the need for expensive pits and foundations. It is highly portable and installs in one day at most facilities. The Triform Sheet Hydroformer is equipped with computer-driven controls for fast setup and tight control of the forming process.



**3,560 Ton Fluid Cell
Tray Model 1648-10BD**

Hydopress Features and Benefits

- Forming with uniform pressure
- High pressure bladder containment system outperforms Guerin Box or Pad Presses and allows for the production of complex shapes for tight tolerance Net Shape parts
- Single Tool Technology
- Compact and lightweight design allows for portability and flush floor operation
- Easy setup and quick installation
- Value Engineered
- Designed for low maintenance and durability
- Programmable pressure control of the forming bladder
- Low tooling costs and greater flexibility with processes and part design
- High speed cycle times
- Low cost easily replaceable bladders

View us on the web at:
www.triformpress.com

Triform 1648-10BD Press Specifications

Capabilities:	3,560 Ton
Max. Chamber Pressure	10,000 psi (69 MPa)
Forming Area	16" x 48" (406 mm x 1219 mm)
Form Tool Clearance	6" (127 mm)
Daylight	7-7/8" (200 mm)

System Dimensions:	
Overall System Length	670" (178 cm)
Overall System Width	110" (279 cm)
Overall System Height	120" (305 cm)
Floor Space Required	140" x 110" (356 x 279 cm)
Total System Weight	95,000 lbs. (43,000 kg)

Control System:	
CNC/PLC	Allen Bradley
Electrical By	Allen Bradley
Touchscreen Interface	AB PanelView (Color)

Power System:	
Main Motor Horsepower	50 HP
Pump Manufacturer	Oil Gear
Working Fluid	ISO 46 W
Heat Exchanger	Included
Temp/Level Sight Gauge	Included
Main Power	480/230V
Phase	3 Phase
Hz	60 Hz
Control System Voltage	110V
FLA Draw	60/120 Amps
Alternative Power Configurations Available	

Other Triform Hydroform Press Models

Triform Hydroforming Technology is available in many standard sizes at various forming pressures. These systems include Fluid Cell models and Deep Draw models.

Triform Presses can also be designed to meet specific customer requirements, consult your sales professional for a solution designed to your specifications.

Simplified Control

The hydroform press is programmable and designed for simple operation. The touch screen control offers:

- Programmed Bladder Pressure
- System Diagnostics
- Alarm Handling and Logging
- Multi-level password protection
- PLC Input / Output visualization
- Batch Counter
- Average Cycle Timer



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