

# TRIFORM-SC

## Sheet Hydroforming

*Press Model*  
**42-5SC**

### The New Technology in Sheet Hydroforming

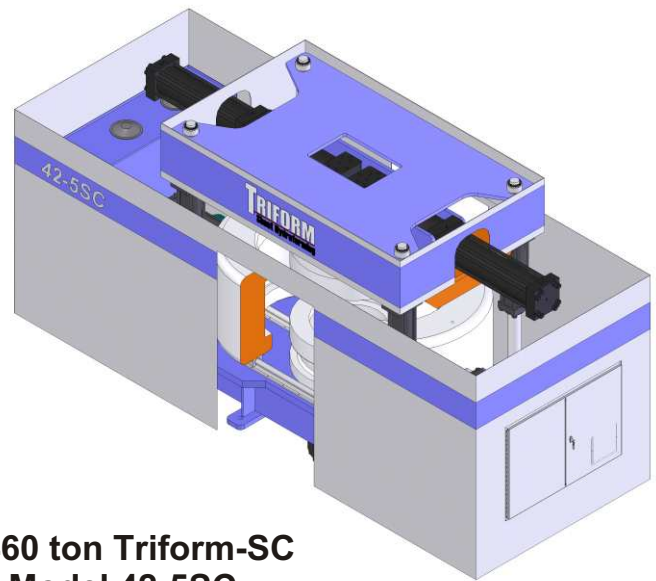
The Triform Press is a Sheet Hydroformer with a unique and specially engineered system. It is based upon a century of proven techniques that has been modernized to meet the demands of today's sheet hydroforming manufacturers. The Pryer Technology Group (PTG) has engineered and modernized a system that is compact, highly versatile and cost efficient. The result is a portable, CNC controlled press with 1/3 the weight of traditional systems.

### Why Triform?

The Triform family of presses was developed by Pryer Technology Group (PTG). The founders of PTG are highly experienced engineers and manufacturing professionals with backgrounds in the aerospace and machine tool industries. From their own experience and 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 questionable control and hydraulic systems. PTG realized the need for a modernized sheet hydroformer and engineered a proven solution.

### 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. The 3,460 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 any facility. The Triform Sheet Hydroformer is equipped standard with CNC controls for fast job set up and tight control of the forming process.



**3,460 ton Triform-SC  
Model 42-5SC**

### Hydropress Features and Benefits

- Forming with uniform pressure
- High pressure bladder containment system allows for the production of complex shapes for tight tolerance 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
- Precision control of the forming pressure down to 1% of full scale
- Low tooling costs and greater flexibility with processes and part design
- High speed cycle times for product productivity
- Net shaped part capability

**View us on the web at:**

**[www.hydroformingpress.com](http://www.hydroformingpress.com)**

## Triform 42-5SC Press Specifications

<b>Capabilities:</b>	<b>3,460 Ton</b>
<b>Max. Chamber Pressure</b>	<b>5,000 psi (34.5 MPa)</b>
<b>Bladder Diameter</b>	<b>42" (1,067 mm)</b>
<b>Daylight</b>	<b>19.25" (489 mm)</b>

<b>System Dimensions:</b>	
<b>Overall System Length</b>	<b>240" (610 cm)</b>
<b>Overall System Width</b>	<b>90" (229 cm)</b>
<b>Overall System Height</b>	<b>120" (305 cm)</b>
<b>Floor Space Required</b>	<b>126" x 280" (320 x 711 cm)</b>
<b>Total System Weight</b>	<b>79,000 lbs. (35,835 kg)</b>
<b>Floor System Required</b>	<b>Flush Floor (No Pit)</b>

<b>Control System:</b>	
<b>CNC/PLC</b>	<b>Allen Bradley</b>
<b>Electrical By</b>	<b>Allen Bradley</b>
<b>Touchscreen Interface</b>	<b>AB PanelView (Color)</b>
<b>Job Storage/Recall</b>	<b>500+ Job Capacity</b>

<b>Power System:</b>	
<b>Main Motor Horsepower</b>	<b>125 HP</b>
<b>Pump Manufacturer</b>	<b>Oil Gear</b>
<b>Working Fluid</b>	<b>ISO 46 W</b>
<b>Heat Exchanger</b>	<b>Included</b>
<b>Temp/Level Sight Gauge</b>	<b>Included</b>
<b>Main Power</b>	<b>480V</b>
<b>Phase</b>	<b>3 Phase</b>
<b>Hz</b>	<b>60 Hz</b>
<b>Control System Voltage</b>	<b>110V</b>
<b>FLA Draw</b>	<b>150 Amps</b>
<b>Alternative Power Configurations Available</b>	

<b>Performance:</b>	
<b>Forming Pressure Control</b>	<b>(+/-) 1%</b>

## Other Triform Hydroform Press Models

Triform Hydroforming Technology is available in many standard sizes at various forming pressures.

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



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## Simplified Control

The hydroform press is programmable and designed for simple operation by any user. 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

