

# Mold Bases & Pressure Boxes

## Adjustable Pressure Box

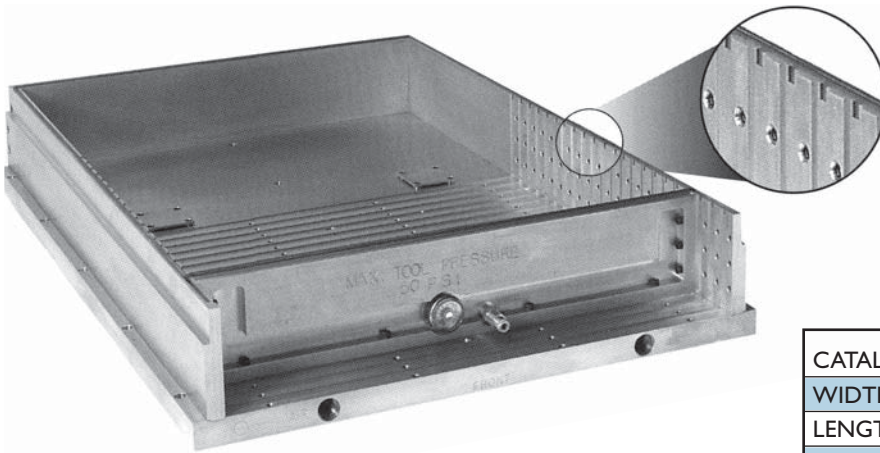
Constructed from aircraft aluminum, this superior pressure box will withstand the rigors of long term use and is capable of pressure forming parts over 4.5" high.

The pressure box adjusts by simply repositioning the movable front panel and will accommodate mold index lengths in 1" increments.

Standard features include: a pressure relief valve and gauge that measures forming pressure. Threaded stainless steel Helicoil inserts insure free-running fastener holes. Two 1" ports provide maximum form

air for fast crisp forming. A water cooled rear panel prevents the migration of heat from the oven. Both front and rear panels have sheet clamp grooves to grip the sheet. The pressure seal is made with our "H" style silicone cord which provides a double seal between the sheet and pressure box.

Adjustable Pressure Boxes are manufactured in 3 standard sizes (see chart below). Other sizes are available. **We also engineer and manufacture custom, adjustable pressure boxes to suit your specifications.**



**H-CORD SEAL  
STAINLESS STEEL  
THREADED INSERTS**

**STANDARD ADJUSTABLE PRESSURE BOXES**

CATALOG#	PX300	PX250	PX190
WIDTH	30"	25"	19"
LENGTH	34"	34"	24"
HEIGHT	6"	6"	6"
DEPTH INSIDE	4.75"	4.75"	4.75"

*Custom sizes available.*

**FORMING AREA**

MIN.	30" x 15"	25" x 15"	19" x 12"
MAX.	30" x 33"	25" x 33"	19" x 23"

# PRESSURE BOXES

## Universal Pressure Box

**Handles multiple widths and index lengths...  
One box does it all!**

Imagine a versatile, efficient, cost-effective roll-fed thermoform solution that reduces your tooling and operating costs, saves you time and materials, simplifies and speeds changeovers, eliminates the need to stock multiple pressure boxes...and quickly pays for itself!

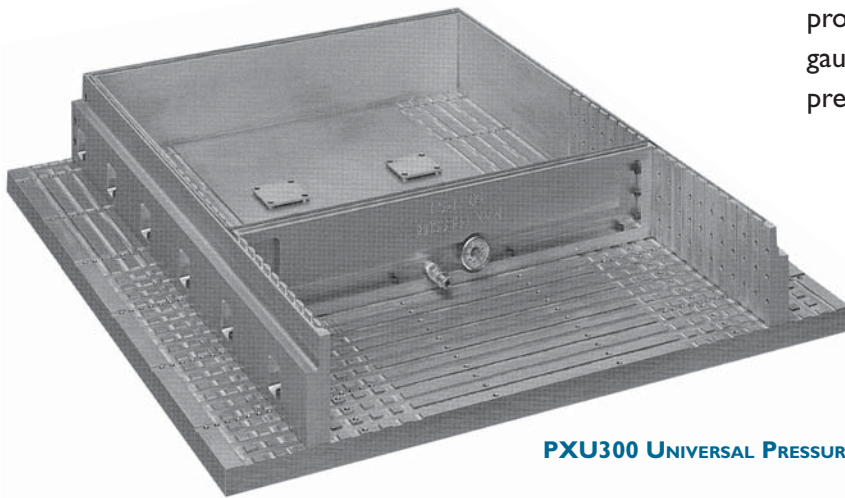
### PERFECT FOR...

- Pressure-forming
- Custom shops
- Short runs

## QUICKLY AND EASILY ADJUSTS TO FIT ANY FORMING AREA...

- Adjust forming index from 15" to 34"
- Adjustable web width from 15" to 31"
- 4.75" Depth inside box
- 6" Overall height

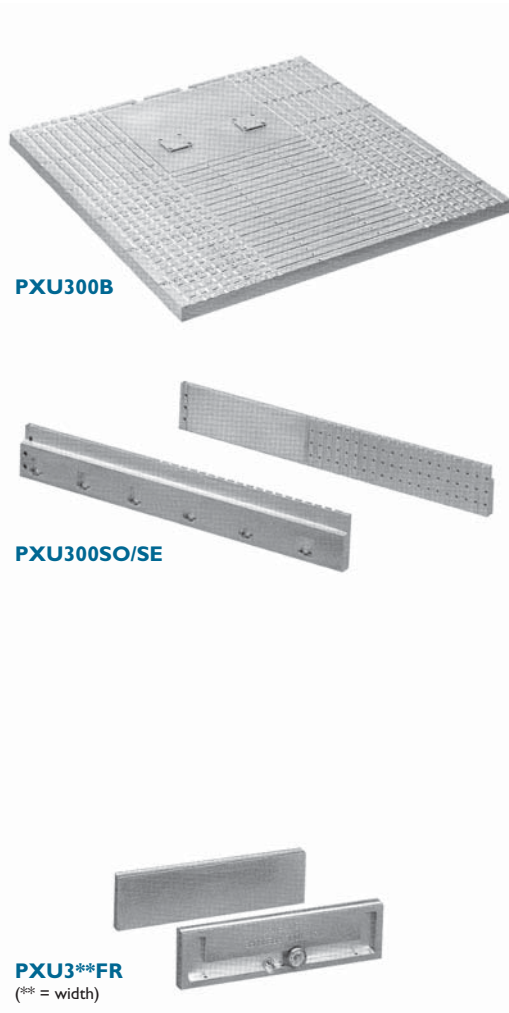
The PXU300 Universal Pressure Box is precision-machined from 6061 aircraft aluminum ensuring an airtight fit. The Pressure Box accommodates male/female molds running on either upper or lower platens. Water cooled rear panel prevents oven heat migration. Other features include baffled ventilation ports to distribute air evenly, threaded stainless steel Helicoil inserts that provide free-running fastening and a pressure gauge/safety valve to accurately monitor forming pressure.



PXU300 UNIVERSAL PRESSURE BOX



# PRESSURE BOXES



## Build your own custom pressure boxes

It's easy to build the pressure box you need. Match the components below with your forming widths.

### UNIVERSAL PRESSURE BOX BASE PLATE

CATALOG #	Description	Size
PXU300B	Use for all sizes	Max. 31" x 34" Min. 15" x 15"

### UNIVERSAL PRESSURE BOX SIDE PANEL SETS

CATALOG #	Description	Size
PXU300SO	Use with Odd Widths	N/A
PXU300SE	Use with Even Widths	N/A

### UNIVERSAL PRESSURE FRONT & REAR PANEL SETS

CATALOG #	Description	Size
PXU315FR	Use with PXU300SO	15" wide
PXU316FR	Use with PXU300SE	16" wide
PXU317FR	Use with PXU300SO	17" wide
PXU318FR	Use with PXU300SE	18" wide
PXU319FR	Use with PXU300SO	19" wide
PXU320FR	Use with PXU300SE	20" wide
PXU321FR	Use with PXU300SO	21" wide
PXU322FR	Use with PXU300SE	22" wide
PXU323FR	Use with PXU300SO	23" wide
PXU324FR	Use with PXU300SE	24" wide
PXU325FR	Use with PXU300SO	25" wide
PXU326FR	Use with PXU300SE	26" wide
PXU327FR	Use with PXU300SO	27" wide
PXU328FR	Use with PXU300SE	28" wide
PXU329FR	Use with PXU300SO	29" wide
PXU330FR	Use with PXU300SE	30" wide
PXU331FR	Use with PXU300SO	31" wide

Note: Odd and even front and rear panels require matching odd or even side panels.

# MASTER MOLD BASES

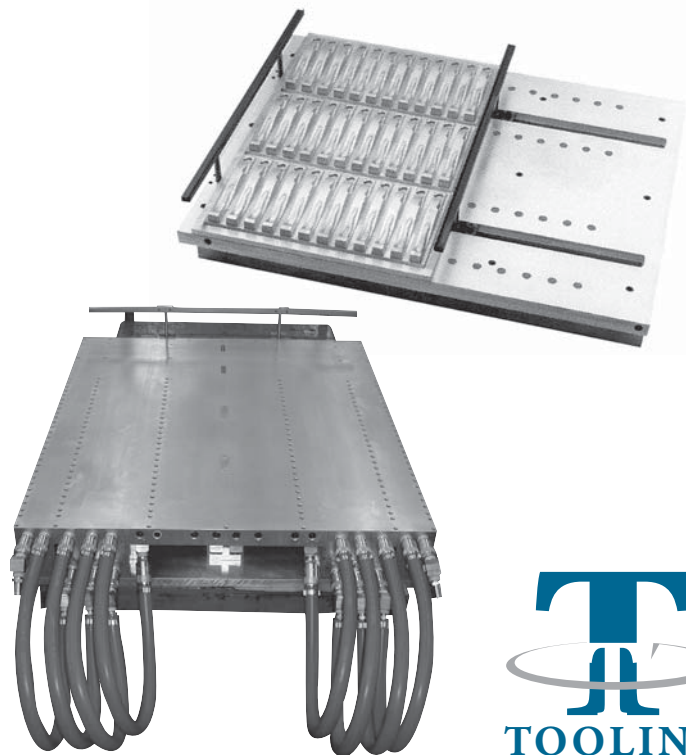
## Adjustable Master Mold Bases

Our range of custom adjustable master mold bases satisfies a wide variety of thermoforming industry requirements. Our X,Y and Z axis adjustable mold bases for plate mounted male molds have evolved from years of experience designing and manufacturing tooling for custom thermoformers. Job shops are constantly under time constraints when responding to their customers quality and delivery demands. Our systems satisfy these requirements by providing a platform that ensures rapid mold changeover, maximum cooling, front and rear sheet clamping, effective evacuation, and simple, capable adjustability.

### Our custom adjustable mold bases feature:

- **Width adjustability (X) via water cooled side extensions accommodating a significant range of width adjustment.**
- **Index direction length (Y) adjustability via slide mounted front sheet clamps.**
- **Height (Z) adjustability via a variety of lifting options.**
- **High rate of coolant flow through 2 independent water circuits to reduce mold temperature recovery time and increase cycle rate.**
- **Front and rear Titan Sheet Clamps to prevent distortion by holding the sheet flat prior to displacement of the plastic by the molds or plugs.**

- **(2) 1 – 1/2” NPT vacuum ports to provide capable air evacuation to enable sharp, crisp part production.**
- **Segen Quick Change Cylinders and Knobs can be installed for quick mold plate change over.**
- **Other custom mounting features as required.**



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