metal forming

compression molding

die spotting

blanking

drawing

die try-out

straightening

hobbing

assembly

forcing

friction molding

steel rule die cutting

bulldozing

trimming

compaction

laminating

briquetting

plastic molding

metal working

special work

composite molding

fluid forming

sheet molding

gluing / bonding

hot presses

superplastic forming

urethane forming

automation

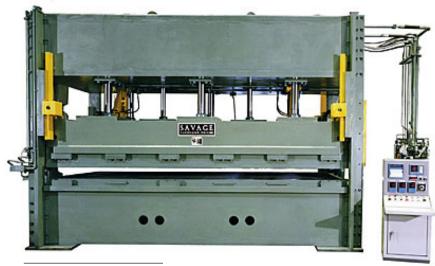
## **Laminating and Bonding Presses**

## **CAPACITIES TO 3000 TONS**

Upacting and Downacting, fluid heated platen presses (steam, oil or water) for sheet molding, SMC, fiberglass insulation board molding, thermoplastics, carbon fiber composites, adhesive bonding of aluminum, balsa, honeycomb and composite panels.



**DOCUMENT 11013** 



500 Ton Downacting Model with 180" x 88" steam heated platens and rack and gear leveling system

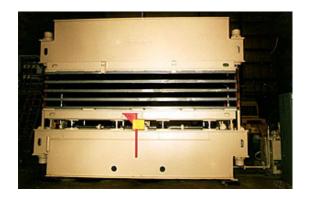
- · Single or multiple openings
- Platen sizes up to 10' x 24'
- · Rigid boxed frame members
- Heat growth compensated frame
- Up- or down-acting models
- Automatic safety locks

## Options:

- Fluid platen manifolding
- Fluid heating and cooling systems
- Temperature control systems
- Temperature ramping
- Pressure ramping



500 Ton Upacting 3 Opening Bonding Press with (4) 168" x 84" Oil Heated Platens for Honeycomb Panels



750 Ton Upacting 4-Opening Press with 196" x 74" Steam Heated Platens for Laminating Composite Panels for the Beechcraft Starship

www.savagepress.com

SAVAGE ENGINEERING & SALES, INC.

4855 Chaincraft Road • Cleveland, Ohio 44125 Tel: 216.587.2885 • Fax: 216.587.0613

