LABORATORY PRESSES

Composite Alliance Corp. (CAC) has been involved in the prototyping of a wide variety of composite products over the past three decades. To respond to the market demand to research, develop and make prototypes by themselves while limiting investment, we have launched standard laboratory presses to equip laboratories or small production units.





Engineered to equip laboratories or small production units

BASIC EQUIPMENT	REFERENCES	
	TME/LP-500	TME/LP-700
PLATEN SIZES MM (IN)	500 X 500 (19.7)	700 X 700 (27.5)
HEATING PLATEN °C (°F)	220 (392)	220 (392)
CLOSING FORCE T (US TON)	80 (88.2)	150 (165.3)
STANDARD STROKE MM (IN)	500 (19. <i>7</i>)	700 (27.5)
FAST CLOSING MM/S (IN/S)	250 (9.8)	250 (9.8)
WORKING CLOSING MM/S (IN/S)	10 (0.39)	10 (0.39)
OPENING MM/S (IN/S)	200 (7.9)	200 (<i>7.</i> 9)

For a custom made Lab press, please contact our sales team



ADVANTAGES

- Modular concept
- Multi-process: RTM, Stamping, Consolidation
- Equipped with multiple sensors
- High temperature up to 450°C (842°F)





OPTIONS

- Heating platen up to 450°C (842°F)
- Cooling platens
- Adaptation of the press to the C-RTM process (control of the upper platen position at \pm 0,1 mm/ 0.004 in)
- Ejection system
- Lower frame translation
- Upper frame rotation
- Friendly user supervision easy to control the complete cycle
- Equipment for vacuum 1 mbar (29.89 in Hg at sea level)
- Data registering for tooling sensors (vacuum, temperature and pressure)

CAC AT A GLANCE

Composite Alliance Corp (CAC) is a global tooling, machinery and service supplier offering a wide selection of standard and custom solutions in support of composite part design and fabrication. Our goal is to advise, equip and assist our customers in using cost effective advanced manufacturing processes to maximize performance and to widen the applications of composites.



