



TERAPRESS TP-7001B

Compression Mounting Press

- Automatic
- Pneumatic press
- Water cooling
- Temperature
- Time
- Manual
- Interchangeable molds
(1-inch up to 2-inch)
- Programmable microprocessor control
- Easy to use
- LED speed display
- Highly reproducible
- Flexible
- Ideal for all materials
- User friendly
- Robust and durable design
- Low cost
- Easy to service

The TERAPRESS TP-7001B automated air pressure mounting press (Part No. TP-7001B) has a solid, easy-to-use, robust design. With a 360° heating element intimately connected to the mold, heating is very efficient. In addition to being efficient, the TERAPRESS TP-7001B offers users more control for both the heating and cooling cycle as compared to most competitive compression mounting presses. By using air pressure to maintain a constant force on the specimen, the requirement to continually monitor and increase the force as the resin begins to melt is eliminated.



Machinery directive 2006/42/EC
Low Voltage Directive 2006/95/EC
Electromagnetic Compatibility directive 2004/108/EC

TERAPRESS TP-7001B
Mounting Press

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**1-inch
1.25-inch
1.5-inch
2-inch
interchangeable
molds**

Applications:
-Phenolics
-Epoxy Glass
filled
-Diallyl
Phthalates
-Conductive
Mounts

Features

- Max. programmable temperature 300°C
- Easy pneumatic force control
- 1-inch to 2-inch interchangeable molds
- Multiple cooling modes (to temperature, specified time, or manually)
- Rapid ram movement for faster through-put



Interchangeable Mold Assemblies

Technical Specifications:

Feature	Specification
Mount Size	1 to 2-inch (25-50 mm)
Force	Pneumatic
Incoming pressure range	Max. 95 psi
Heater Specification	800 Watts
Thermostat Range	575°F (300°C)
Cooling System	110 / 220V
Cooling Modes	Time, Temperature, Manual
Electrical Specifications	110V or 220V 50/60 Hz
Dimensions (W x D x H)	13.25 x 16.5 x 19.5-inch (340 x 420 x 495 mm)
Weight	80 lbs (35 kg)
Part No.	TP-7001B
Recirculating Tank (16 gal) with pump (optional)	TP-TANK

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Compression Mounting Resin Characteristics

Mold Assemblies

Description	Flat Ram	Chamfered Ram	Description	Flat Ram	Chamfered Ram
1-inch mold	TP-0100	TPC-0100	25 mm mold	TP-25mm	TPC-25mm
1-inch spacer for double mounts	TPS-0100	TPSC-0100	25 mm spacer for double mounts	TPS-25mm	TPSC-25mm
1.25-inch mold	TP-0125	TPC-0125	30 mm mold	TP-30mm	TPC-30mm
1.25-inch spacer for double mounts	TPS-0125	TPSC-0125	30 mm spacer for double mounts	TPS-30mm	TPSC-30mm
1.5-inch mold	TP-0150	TPC-0150	40 mm mold	TP-40mm	TPC-40mm
1.5-inch spacer for double mounts	TPS-0150	TPSC-0150	40 mm spacer for double mounts	TPS-40mm	TPSC-40mm
2-inch mold	TP-0200	TPC-0200	50 mm mold	TP-50mm	TPC-50mm
2-inch spacer for double mounts	TPS-0200	TPSC-0200	50 mm spacer for double mounts	TPS-50mm	TPSC-50mm

Description	Phenolics	Epoxy (Glass-filled)	Diallyl Phthalates
Type	Thermoset	Thermoset	Thermoset
Cost	Low	Moderate	Moderate
Ease of use	Excellent	Good	Good
Availability of colors	Yes	No	No
Cycle times	Excellent	Good	Good
Edge retention	Fair	Excellent	Excellent
Clarity	None	None	None
Hardness	Low	High	High