

PACE[®] **TECHNOLOGIES**

www.metallographic.com

TERAPRESS TP-7001B **Mounting Press**

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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



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
1-inch mold	TP-0100	TPC-0100
1-inch spacer for double mounts	TPS-0100	TPSC-0100
1.25-inch mold	TP-0125	TPC-0125
1.25-inch spacer for double mounts	TPS-0125	TPSC-0125
1.5-inch mold	TP-0150	TPC-0150
1.5-inch spacer for double mounts	TPS-0150	TPSC-0150
2-inch mold	TP-0200	TPC-0200
2-inch spacer for double mounts	TPS-0200	TPSC-0200

Description	Flat Ram	Chamfered Ram
25 mm mold	TP-25mm	TPC-25mm
25 mm spacer for double mounts	TPS-25mm	TPSC-25mm
30 mm mold	TP-30mm	TPC-30mm
30 mm spacer for double mounts	TPS-30mm	TPSC-30mm
40 mm mold	TP-40mm	TPC-40mm
40 mm spacer for double mounts	TPS-40mm	TPSC-40mm
50 mm mold	TP-50mm	TPC-50mm
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