

# **PACE<sup>®</sup>** **TECHNOLOGIES**

[www.metallographic.com](http://www.metallographic.com)

## **TERAPRESS TP-7700** **Mounting Press**

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### **TERAPRESS TP-7700** **Compression Mounting** **Press**

- Dual Cylinder
- Automatic
- Programmable
- Electro-Hydraulic press
- 1400 Watt heaters
- Water cooling
  - Temperature
  - Time
  - Manual
- Interchangeable molds (1.25-inch up to 2-inch)
- Easy to use
- High resolution display
- Multiple Languages
- Highly reproducible
- Flexible
- Ideal for all materials
- Robust and durable design
- Economical

The TERAPRESS TP-7700 is a programmable, dual cylinder, electro-hydraulic automated mounting press (Part No. TP-7700) with a solid, easy to use, robust design. With electro-hydraulic force and heating up to 200°C, molding is very efficient.

#### **•Features**

- Dual, independent molding cylinders
- 1400 Watt heaters
- Easy hydraulic force control
- 1.25-inch to 2-inch interchangeable molds
- Multiple cooling modes (to temperature, specified time, or manually)
- Rapid ram movement for faster throughput



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



## Technical Specifications:

Feature	Specification
Mount Size	1.25 to 2-inch (32-50 mm)
Mold Cylinders	Double
Force	Electro-hydraulic
Cooling	Water
Cooling Modes	Time, Temperature, Manual
Dimensions (W x D x H)	21 x 18 x 16-inch (540 x 440 x 410mm)
Electrical Specifications	110 / 220V 50/60 Hz
Heater Specification	1400 Watt (110V / 15 amp) 1400 Watt (220V/ 7.5 amp)
Weight	110 lbs (50 kg)
Part Number	TP-7700
Recirculating Tank (16 gallons) with Pump (optional accessory)	TP-TANK

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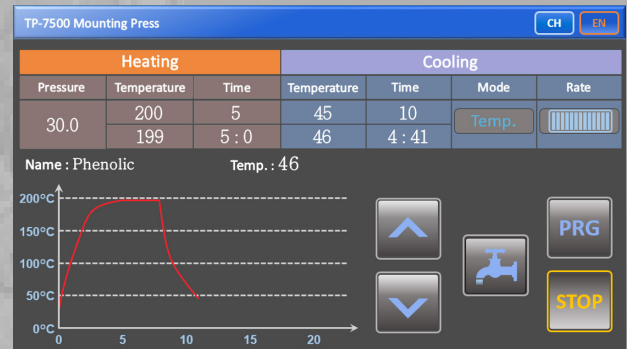
Interchangeable  
Mold Assemblies

## Mold Assemblies

Description	Flat Ram	Chamfered Ram
1.25-inch mold	TP75-0125	TP75C-0125
1.25-inch spacer for double mounts	TPS75-0125	TPS75C-0125
1.5-inch mold	TP75-0150	TP75C-0150
1.5-inch spacer for double mounts	TPS75-0150	TPS75C-0150
2-inch mold	TP75-0200	TP75C-0200
2-inch spacer for double mounts	TPS75-0200	TPS75C-0200



Glass-filled epoxy for edge retention



TP-7500 Mounting Press

No.	Name	Heat Temp	Pressure	Hold Time	Cool Temp	Cool Time	Cool Mode	Cool Rate	Load
1	Phenolic	200	30.0	5	45	10	Temp.		✓
2	Phenolic	200	14.4	10	32	10	Time		
3	Phenolic	200	15.1	10	32	10	Time		
4	Phenolic	200	15.8	10	32	10	Time		
5	EPOCOMP	200	17.2	10	32	10	Time		
6	EPOCOMP	200	17.9	10	32	10	Time		
7	EPOCOMP	200	18.6	10	32	10	Time		
8	EPOCOMP	200	19.3	10	32	10	Time		
9	ACRYLIC	200	17.2	10	32	10	Time		
10	ACRYLIC	200	17.9	10	32	10	Time		

Temp. unit: °C Pressure unit: MPa

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