

Genesis Press for Rubber Sample Preparation



The Genesis Series Hydraulic Compression Press, Model G50H-19, is specially designed to vulcanize rubber sheets to provide samples for quality control, research and development and material comparison. This press is used to prepare sheets for material property testing in accordance with ASTM D3182.

Specifications:

Clamp Force:	8 - 50 tons adjustable
Open Daylight:	8" - 16" adjustable
Clamp Stroke:	8"
Platens:	19" x 19" fully guided and heated
Temperature Uniformity:	see below
Maximum Operating Temperature:	500°F
Operating Speeds:	
	Closing: 70 ipm
	Pressing: 5 ipm
	Open: 75 ipm
Dimensions (w x d x h):	53" x 53" x 81"
Weight:	3650 pounds (approximate)

Features:

- Specially designed platens for improved temperature uniformity
- 19" x 19" platens accept all standard sample mold sizes
- Adjustable clamp force: 8 to 50 tons
- Self-contained hydraulic unit
- AB Micrologix™ 1200 PLC with Micro View™ user interface
- 1/16 DIN digital temperature controllers
- Fully guarded clamp area with interlocked operator gate
- Optional contact gauge for quiet operation
- Optional low pressure system for operation from 2 to 50 tons

Temperature Uniformity

The Genesis Rubber Sample Preparation Press incorporates a proprietary platen design (patent pending) that provides more precise temperature uniformity across the platen surface. The press is available in three performance ranges to meet any processing requirement.

Model	Uniformity*
G50H-19-R10ASTM	10°F
G50H-19-R5ASTM	5°F
G50H-19-R2.5ASTM	2.5°F

*Spread from minimum to maximum reading after soak at 302°F. Consult factory for uniformity requirements less than 2.5°F.

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