

SimpliMet 1000 Automatic Mounting Press

The SimpliMet 1000 Automatic Mounting Press is easy to use and can increase productivity and sample consistency. The efficient heating cooling system is mechanically mated to molds to maximize heat transfer and to ensure fast cycle times. Easy to change molds are offered in a full range of sample sizes from 1-inch to 2-inch (25 mm – 50 mm).

The SimpliMet 1000's safe electro-hydraulic system does not require the use of air and the robust bayonet mold closure maximizes safety and eliminates incorrect mold closings. The insulated mold closure keeps the heat in the mold cylinder where it is needed and out of the mold closure to protect the operator.

Warranty

This unit is guaranteed against defective materials and poor workmanship for a period of 24 months or 2000 hours of normal use (whichever comes first), from the date of receipt by the customer. The warranty is void if inspection shows evidence of abuse, misuse, unsafe use or unauthorized repair. This warranty covers all Buehler costs associated with the replacement of defective materials (e.g., parts and labor).

If for any reason this unit must be returned to Buehler for warranty service, please contact Buehler Service at www.Buehler.com or 1-800-283-4537 for prior authorization and shipping instructions. (If outside the USA or Canada contact your local Buehler Representative.) Please have the following information available when contacting Buehler:

- Customer Purchase Order Number
- Buehler Invoice Number and Date
- Serial Number
- Reason for return

Specifications

| | 20-1415 SimpliMet® 1000 Automatic Mounting Press |
|---------------------|--|
| Dimensions | 16" W x 20 ½" D x 22 7/8" H (405 mm x 520 mm x 580 mm) |
| Electrical | 85 – 264 VAC, 50-60 Hz, 1 Phase 1500 Watt on 220V mains 1500 Watt on 115V mains 1200 Watt on 100V mains |
| Control Voltage | 24 VDC |
| Decibels | 70 db: No Pressure, raising and lowering ram |
| Molding Pressure | 1200 – 4400 psi (80 – 300 bar) in 100 psi (5 bar) increments |
| Molding Temperature | 150° C – 180° C |
| Mold Diameters | 1" (25 mm), 1 ¼" (30 mm), 1 ½" (40 mm), 2" (50 mm) |
| Heating Time | 0 – 20 minutes in 10 second increments |
| Cooling Time | 0 – 30 minutes in 10 second increments |
| Weight | 73 lbs (33 kg) |