

# RELIABLE

## NEW RESEARCH MILLS - HT SERIES



- 6"X13" RESEARCH MILL
- Electrically Heated Mill Rolls
  - Variable Speed/Variable Friction
  - Roller Bearings
  - Touchscreen Controls with Data Acquisition Package

- 6"X13" RESEARCH MILL
- Electrically Heated Mill Rolls
  - Variable Speed/Variable Friction
  - Roller Bearings
  - Complete Control Package



See Reverse Side for Technical Specifications

**RELIABLE** Rubber & Plastic Machinery

2008-14 Union Turnpike, North Bergen, N.J. 07047 USA (201) 865-2850 or (201) 865-1073 Fax: (201) 865-6878  
WWW.RELIABLE-MACHINERY.COM E-Mail: Info@Reliable-Machinery.com Made in the USA Se Habla Español

## TECHNICAL INFORMATION

Since the early 1950's, Reliable has been the world leader in the manufacture of laboratory mills. Reliable now offers state-of-the-art mills with **electrically heated mill rolls** ranging in size from 4"x8" to 8"x18". These mills are supplied with electrically heated rolls for your demanding applications. Reliable's HT Series delivers precise temperature control, +/- 2°C across the roll face, while reliably operating at the highest of temperatures. All control packages incorporate user friendly interfaces. This ergonomic design is environmentally conscious and results in cleaner operation, less maintenance, and reduced downtime. (No hot oil or steam temperature control unit required). All mills are test run at our facility and are designed for quiet, energy efficient operation and meet all current O.S.H.A. (Occupational Health and Safety Administration) requirements.

TECHNICAL DATA	UNITS	4"x12"	6"x13"	8"x16"	8"x18"
Roll Diameter	(mm) in	(101.6) 4	(152.4) 6	(203.2) 8	(203.2) 8
Working Roll Face	(mm) in	(304.8) 12	(330.2) 13	(406.4) 16	(457.2) 18
Capacity (Based on S.G. of 1)	(KG) pounds	(.54) 1.2	(1.1) 2.5	(1.8) 4	(2.2) 5
Number of Rolls	-----	2	2	2	2
Roll Speeds (Fixed speed)	RPM	30	30/33	30/33	30/33
Roll Speeds (Variable speed)	RPM	0-30	0-30/33	0-30/33	0-30/33
Friction Ratio (Fixed)	-----	1:1/1.25	1:1/1.25/1.4	1:1/1.25/1.4	1:1/1.25/1.4
Friction Ratio (Research)	-----	Variable	Variable	Variable	Variable
<b>MOTOR POWER</b>					
Standard	(KW) HP	(1.1) 1.5	(5.5) 7.5	(11.1) 15	(11.1) 15
Variable Speed	(KW) HP	(1.5) 2.0	(5.5) 7.5	(11.1) 15	(11.1) 15
Research	(KW) HP	((2).74) (2)1.0	((2)3.7) (2)5.0	((2)7.4) (2)10.0	((2)7.4) (2)10.0
Surface Temperature (Maximum)	(°C) °F	(260°) 500°	(260°) 500°	(260°) 500°	(260°) 500°
Machine Width	(mm) in	(1270) 50	(1270) 50	(1270) 50	(1270) 50
Machine Depth	(mm) in	(609) 24	(1100) 43	(1372) 54	(1372) 54
Machine Height	(mm) in	(1371) 54	(1680) 66	(1778) 70	(1778) 70
Machine Weight	(kg) lbs	(318) 700	(725) 1600	(1543) 3400	(1543) 3400
Electrical Requirements - Please specify your electrical requirements at the time of quotation request.					

### OPTIONAL FEATURES AVAILABLE:

Scraper/Doctor Knives	Traversing Stock Dividers	Prewire and Mount Drive Packages
Nylon Stock Guides	Manual Synchronized Roll Nip Adjustments	Digital Roll Nip Readout
Hinged/Tilting Guides	Ratchet Type Roll Nip Adjusters	Touchscreen Control with
Infrared Batch Temperature Monitoring	Roll Separating Force Monitoring	Complete Data Acquisition
Recipe Driven Capabilities	Automatic Roll Nip Opening - Safety Feature	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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