TMI Chip Class™

Model 71-01

Model 71-01 TMI Chip Class

The **TMI Chip Class**™ is a robust laboratory and/or production tool designed as a trouble-free chip classification system. A minimum of moving parts and carefully selected components provides the most reliable chip classification system available on the market today. The design is based on the original US patent developed by one of the world's largest pulp and paper makers. The TMI Chip Class™ measures the size distribution and relative quantity of chip size fractions for mechanical and chemical wood chips.

Special trays are also available to meet most hole and bar dimension requirements making the Chip Class a versatile testing tool for measuring a variety of other materials requiring size classification.

OPERATION

The test operation for measuring chip size distribution is based on several international standards, TAPPI UM 21 Sieve analysis of pulpwood chips and SCAN-CM 40:01 Wood chips for pulp production-size distribution are the most popular. Other methods include the Scan 47:92 which specifies bar/slots for determination of thickness of chips, the Williams and the WPFL(Hartler/Hatton) classification series.

The TMI Chip Class™ is capable of meeting almost any method when equipped with the proper set of trays and appropriate hole diameters specified in the corresponding standards. The TAPPI standard is based on a sieve system consisting of 4 trays and the Scan method is based on a 5-tray system.

To start a test, distribute 4-10 liters of chips on the top screen and press start. An automatic timer will start the shaking mechanism and shake the stack for approximately 10 minutes. After completion, remove and weigh the chips in each tray. Measure the total weight for each tray and calculate the chip percentage per tray.

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Patented self-interlocking trays provide quick, repeatable measurement capability

Scan 40:01 Tray Set

FEATURES

- Rugged cast steel base
- Lightweight, interchangeable trays provide quick measurements
- Large, easy-to-read labels report your test results accurately
- Patented tray interlocks allow you to easily secure the entire stack of trays
- Fast tray alignment guide allows you to set an entire stack of trays on the base with one quick easy motion
- Strong, compact base and low-maintenance shaker platform
- Convenient controls—just push a button and the timer automatically stops the shaking motion upon completion of test cycle
- Design based on U.S. Patent No. 4,848,607

STANDARD TRAY SETS

Scan 40:01

- 45mm Round Hole
- 8mm Bar/Slot Hole
- 13mm Round Hole
- 7mm Round Hole
- 3mm Round Hole
- Fines Tray/Pan

TAPPI UM 21

- 45mm Round Hole
- 8mm Bar/Slot
- 7mm Round Hole
- 3mm Round Hole
- Fines Tray/Pan

STANDARD TRAY SETS (continued)

Scan 47:92

- 10mm Bar/Slot
- 8mm Bar/Slot
- 6mm Bar/Slot
- 4mm Bar/Slot
- 2mm Bar/Slot
- Fines Tray/Pan

Note: *Uses only bar/slot trays and is designed specifically for determination of chip thickness distribution*

Williams Classification Series

- 1-1/8 in. holes
- 7/8 in. holes
- 5/8 in. holes
- 3/16 in. holes
- Pan

WPFL (Hartler/Hatton) Classification Series

- 45 mm holes
- 10 mm slots
- 7 mm holes
- 3 mm holes
- Pan

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SPECIFICATIONS	
Model	71-01-00
Sample Size	4-10 liters
Test Time	10 minutes
Tray Stroke	120 +/- 2mm (meets Scan method)
Frequency	155 cycles per minute (meets Scan method)
Available Trays	Scan 40:01, TAPPI UM 21, Scan 47:92, Hartley/Hatton Series and William Classification Series
Optional Trays	Available in most round hole sizes and bar screens
Dimensions	W 1194 mm x D 571 mm x H 812 mm (W47 X D 23 X H 32)
Electrical	208-230VAC / 50Hz / 15mA/ Single phase
Weight	193 kg (425 lb)

CRATED SIZE	
Depth	686 mm (27 in.)
Height	991 mm (39 in.)
Width	1295 mm (51 in.)
Weight	263 kg (580 lb)

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