

# PULMAC

## MasterScreen™



XLQ MasterScreen™

**Rapid Results -**

**Displays in less than 10 minutes**

### Description

The MasterScreen is a low consistency screening device designed to mechanically separate fibers from contaminants, including Stickies, Dirt, Shives, vessel cell elements, plastics and hot melts. Contaminants are deposited automatically onto a filter paper for display and analysis.

### Benefits

The MasterScreen provides a rapid and repeatable method for the collection of both shives and/or stickies. For shives, it allows for the pinpointing of problems that occur in areas such as digesters, cleaners, refiners, grind-ers and screens. For stickies, it allows for the pinpointing of problems that occur in repulpers, cleaners and screen-ing. This data will support reducing the frequency of dirt, shives or stickies in the final product, leading to increased profitability.

**Bottom-line:** Increased profitability through troubleshooting, optimization and monitoring.



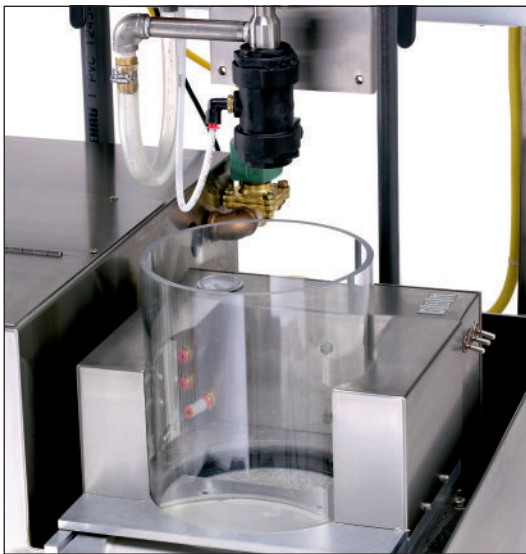
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# MasterScreen™



XLQ Valve



Auto Filter

## System Features:

- Pressurized screening chamber adjustable to 15 psi
- Screens up to 100 g (oven dried equivalent)
- Results between 10 - 15 minutes
- Laser cut screen plates available in two standard sizes (.004" and .006") and custom between .003" - .014"
- AutoFilter for quick deposit of contaminants
- AutoFilter can be customized to accommodate various sized filter paper
- AutoFilter cartridge is easily repaired with "bolt in" screen
- Lid on feed tank localizes water spray
- Large feed tank to accept samples up to 100 g, oven dried equivalent
- Feed tank air mix to ensure delivery of uniform consistency
- XLQ valve between screening chamber and feed tank
- Multi program feature including MS A, XLQ, SA, and SCR N
- Adjustable feed tank level control.

## Related Test Methods:

- PAPTAC C.12P Sep 03 Laboratory Screening of Pulp (Pulmac-Type Instrument)
- TAPPI T 274 sp04 Laboratory Screening of Pulp (MasterScreen - Type Instrument)
- INGEDE Method 4 99-12 Analysis of Macro Stickies in Deinked Pulp (DIP)
- ASTM D6148-97 (2002) Standard Practice for the Separation and Examination of Stickies
- ISO 15360 - 2:2001 Recycled Pulps - Estimation of Stickies and Plastics image analysis method
- TAPPI T 277 pm-99 Macro Stickies Content in Pulp: The "Pick-Up" Method

Shipping Specs		Height	Width	Depth
Crated Weight & Size	450 lbs	71 in	35 in	30 in
Net Weight & Size	325 lbs	80 in	35 in	33 in

## Service and Hardware Requirements:

- 10 gal per minute of potable filtered water
- 3/4" NPT male fitting for water supply
- 1 1/2" NPT male fitting for drain
- 115v, 60 Hz, 20 Amp electrical service
- Compressed air at 10 CFM at 60 psi
- 3/8" slip fitting for air supply

### Represented By:

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