

# 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, grinders and screens. For stickies, it allows for the pinpointing of problems that occur in repulpers, cleaners and screening. 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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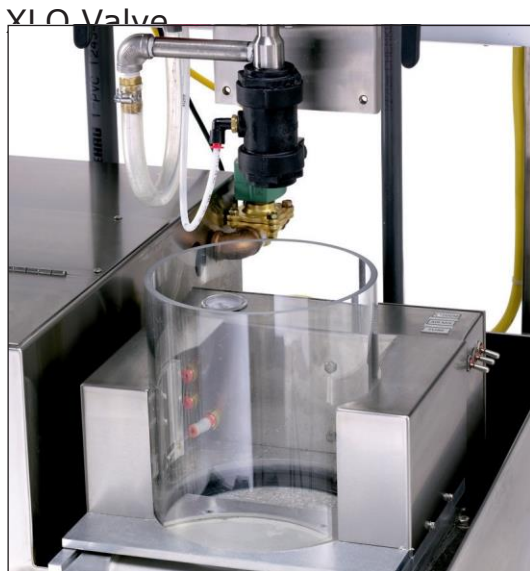


## System Features:

- Pressurized screening chamber adjustable to 15 psi (XLQ option)
- 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 cartridge screens are easily replaced.
- 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 allows for increased screening when needed.
- Multi program features include cycle 1, cycle 2, and cycle 3 which allow for adjustable screen time.
- Adjustable feed tank level control for optimized dilution levels.

## 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



Auto Filter

Shipping Specs		Height	Width	Depth
<b>Crated Weight &amp; Size</b>	450 lbs	71 in	35 in	30 in
<b>Net Weight &amp; Size</b>	325 lbs	80 in	35 in	33 in

## Service and Hardware Requirements:

- 10 gal per minute of potable filtered water
- ¾-11" Female GHT
- 1 1/2" NPT male fitting for drain
- 120v, 60 Hz, 20 Amp electrical service
- Compressed air at 10 CFM at 60 psi
- ¼" slip fitting for air supply

### Represented By:

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