

Hand Sieves



VS.



MCI Kicker

GRAIN TESTER

Catch that lurking foreign material in grains or oil seed to KICK up your Bio-Fuel Profits!

Use the MCI Kicker or MCI Auto Kicker and immediately decrease your feed stock price and increase your Bio-Fuel profits. With today's painfully high grain prices and absurdly tight margins, you need every edge possible to make a profit.

Get a head start on profit—start at the beginning of the bio-fuel process with the MCI Kicker.

All Shook Up. Most Bio-Fuels plants that use grain or oil seeds as a feed stock start out testing for foreign material from a sample pulled from a truck or rail car using hand sieves. Because of human error with inconsistent shaking, not all of the foreign material is detected using this primitive method. But that sampled percentage becomes the basis for determining the amount of foreign material for the entire car/truckload.

A Fair Shake. Not only does the MCI Kicker make it more fair for you, but also for your customers. Because the Kicker doesn't play favorites—it treats everyone to the same accurate results.

The Kicker for Accurate Testing. The MCI Kicker and MCI Auto Kicker are sophisticated devices designed with precision-controlled screens and aspiration to accurately remove foreign material from the grain. They produce a fair and consistent sampling every time for results that are physically impossible with hand sieves. Kickers can detect an average foreign material increase of up to .3% to 2.2% and even higher depending upon the kind of trash lurking in the load.

Amounts to a Hill of Beans. Bio-Fuel plants have a certain level of foreign material allowed in the truck/rail load. Commonly for soy beans (for example), only foreign material over 1% is deducted from gross weight. So you are probably paying for trash at the same price as your high price feed stock.

Just pour your grain or oil seed sample into the Kicker to quickly and accurately separate it into 4 pans.

- 1 Scalped & Aspirated Foreign Material
- 2 Clean Grain/Oil Seeds
- 3 Splits & Brokens
- 4 Foreign Material

Allows testing of every load by eliminating time consuming hand sieving and hand picking of foreign material.

Specifications:

- Weight:** 560 lbs
- Dimensions:** 81" h x 19" w x 35" d
- Grain Throughput:** 30-40 sec. (for 500 gr of beans or wheat)
- Electrical Req.:** 120 volt 60 hz or 220 volts 50hz
- Noise Level:** Approximately 55 decibels
- Warranty:** 5 year limited warranty

EXAMPLE OF SAVINGS: If your load sampled a grade of 1% with hand sieves, then that load would not apply for a discount because they were not above the 1% maximum allowable foreign material. But because of its higher accuracy, the Kicker may detect a foreign material percentage of 1.3% putting that load at the discount level where it actually belonged. The additional .3% is very conservative and commonly see much higher additional FM using the MCI Kicker Assuming .3% additional FM @ \$12.50/bushel on a 1,000 bushel load, you would save \$37.50per load. If conservatively, only 20% of your loads accurately fall over the 1% discount that still translates to over \$5,000 savings for every 1 million gallons of fuel produced.



Call 1-800-279-6812

today to see how the Kicker and AutoKicker can kick up your profits!

MCI Mid-Continent Industries, Inc.

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**From probe to analysis
results in about 90 seconds!**

**Grain Probe Sample
Conveyed to Auto Kicker**

**Automatic Transfer of
Results to Scale Ticket****

**MCi AutoKicker
easily outputs to your
electronic scale system,
accounting system
and database.**

Foreign Material Analyzer
+ Moisture & Test Weight Analyzer
+ NIR Analyzer
= MCi AutoKicker

SCALE1		TRUCK INBOUND		Friday 02/16/2005 03:55 PM											
Gross Weight	0	Tare Weight	0	Net Weight	0										
CHANGE TRANSACTION															
Ticket #	209	Truck Id	E4JH88	Product	03										
Customer Code	9961500	Customer Name	DANNY PHILLIPS												
Sub-vendor		Sub-vendor Name													
Hauler Code	0498265	Hauler Name	W A PERRY & SONS												
Bin #	54588														
Freight Type	F - Flat Rate	Freight Rate	0.000	Assembly Sheet	455667										
Contract	45677	Trailer	TGY777	Comments											
<table border="1"> <thead> <tr> <th>TW</th> <th>MOIS</th> <th>DAMD</th> <th>HEAT</th> <th>RCFM</th> </tr> </thead> <tbody> <tr> <td>54.3</td> <td>18.5</td> <td>0.6</td> <td>0.3</td> <td>0.0</td> </tr> </tbody> </table>						TW	MOIS	DAMD	HEAT	RCFM	54.3	18.5	0.6	0.3	0.0
TW	MOIS	DAMD	HEAT	RCFM											
54.3	18.5	0.6	0.3	0.0											
Other Factors															
F11-Grade															

** Depending on
your current Scale
Ticket software

Integrate all your grain grading into one system!

**Increase your efficiency—
Increase your bottom line!**

The MCi AutoKicker connects directly to your grain probe for immediate sample processing of all grains. By integrating multiple devices, the MCi AutoKicker generates fractional analysis including: HFC/highly fermentable corn, HTF/higher total fermentables, starch content, protein, test weight, moisture, and foreign material all in one easy process. Already have a NIR or moisture tester in operation? Depending upon the specific model, it can be integrated in with the MCi AutoKicker.

In about 90 seconds, results can be displayed on your monitor without human hands ever touching the sample.

The data is then automatically transferred** to electronic scale systems, eliminating manual entry of test results and manual mistakes. These quick and accurate results allow more precise binning and quality control of the things that affect your ethanol process.

Upgrade your grading operation with the labor saving speed and efficiency of the MCi AutoKicker.

**MCi AutoKicker
provides sample
results for:**

- HFC/highly fermentable corn
- HTF/higher total fermentables
- starch content
- protein
- test weight
- moisture
- foreign material
- broken corn
- oil
- temperature

**MCi Auto
Kicker**
Automated Grain Analyzer

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