

## LIGNO TESTER

### Pellet Durability Tester

- ◆ Portable
- ◆ Suitable for Wood Pellets
- ◆ Test Mechanical Durability (DU) or Fine Material Amount (F)
- ◆ Fast and Simple Operation
- ◆ Fines and Dust removed during DU Test



#### Operation:

Manual

#### Pellets Tested:

Wood

#### Sample Amount Required:

Fines Test: 250-350g

Durability Test: 100g

#### Function:

Portable

#### Used for:

Spot checks

#### Hole Diameter of Mesh Hopper:

3.15mm

The Ligno Tester is used for determining the Mechanical Durability (DU) or Fine Material Amount (F) of wood pellets by simulating pellets transportation environment from mill to boiler.

It can easily be transported between locations to provide spot checks, requiring only to be placed on a flat stable surface.

Fitted with a 3.15mm diameter perforated hopper, the Ligno Tester is a recognised form of testing in the EN 14961-2 European Standard.

Users can select whether to test Mechanical Durability or Fine Material Amount by turning a switch at the side of the machine. The DU test cycle lasts 60 seconds and the Fines cycle last 30 seconds.

## Test Mechanical Durability in 60 Seconds



The Ligno Tester is operated by loading a manually weighed sample of pellets into the test chamber.

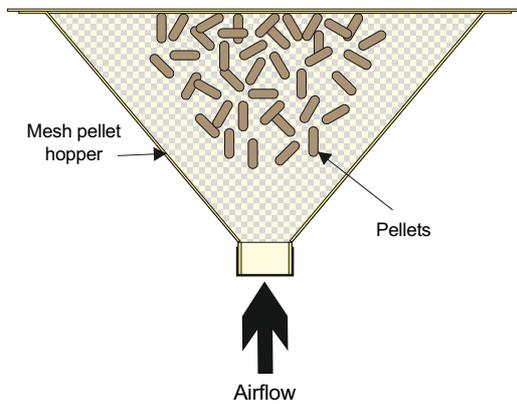
After the test cycle, the pellets are manually removed and weighed to calculate the Fine Material Amount (F) or Mechanical Durability (DU).

Fines and dust are removed during the test process for a fair and accurate test.



## The Holmen Test

The Holmen Pellet Durability Test is a form of testing that is recognised worldwide. Four models are available in the range, providing a solution for any mill or facility.



- ◆ Pellets are placed into a perforated mesh hopper
- ◆ Air is blown into the bottom of the hopper, cascading the pellets into the air
- ◆ Pellets collide with each other and the sides of the hopper
- ◆ Fines filter through the hopper to a chamber below where they can be removed

### Holmen Range

NHP100



Portable / Manual  
Feed Pellets

NHP200



Desktop / Automatic  
Feed & Wood Pellets

NHP300



In-line / Automatic  
Feed & Wood Pellets

Ligno Tester



Portable / Manual  
Wood Pellets

### Ligno Tester Test Method

- ◆ Operator manually sieves and weighs a sample of pellets
- ◆ Pellets are added to the test chamber and a particular filter is placed on top
- ◆ Operator selects (F) or (MU) function
- ◆ Pellets are tested for 30s (F) or 60s (DU)
- ◆ Operator removes the filter and tested pellets
- ◆ Operator weighs the pellets and manually calculates the Fine amount or Mechanical Durability
- ◆ Operator cleans test chamber of fines



#### Standard Ligno Tester Includes:

- ◆ Ligno Tester with 3.15mm Mesh Hopper
- ◆ Sample Tub Support
- ◆ Trim Tool
- ◆ Power Cable
- ◆ Pack of 100 Particular Filter Papers
- ◆ Brush
- ◆ Sample Tub
- ◆ Pressure Gauge Calibration Certificate
- ◆ User Manual

### Distributed Worldwide

110V-115V & 220V-240V, 50 & 60Hz available  
Size: 440 x 300 x 440mm  
Weight: 17.5kg