

# HOLMEN®

strength in pellet durability

## NHP100 Pellet Durability Tester

- ◆ Portable
- ◆ Suitable for Animal Feed Pellets
- ◆ Fast and Simple Operation
- ◆ Adjustable Test Time
- ◆ Fines Removed During Test



**Operation:**  
Manual

**Pellets Tested:**  
Feed

**Sample Amount  
Required:**  
100g

**Function:**  
Portable

**Used for:**  
Spot checks

**Hole Diameter of  
Mesh Hopper:**  
Standard 2.5mm  
1.25 - 4.0mm options  
available

The NHP100 is our entry level pellet durability tester used for calculating the Pellet Durability Index (PDI) of feed pellets by simulating pellets transportation environment from mill to trough.

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

Fitted with a standard 2.5mm diameter perforated hopper, the NHP100 is ideal for testing 3-12mm diameter pellets. Other size mesh hoppers are available ranging from 1.25mm to 4mm.

Set the test time to 30, 60, 90, or 120 seconds to suit a range of pellet sizes.

### Results obtained up to 4 x faster than the Kansas State Tumbling Can



The NHP100 operates by loading a manually weighed and sieved sample of pellets into the test chamber.

After the test cycle, the pellets are manually removed and weighed to obtain a 'Pellet Durability Index' (PDI) reading.

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



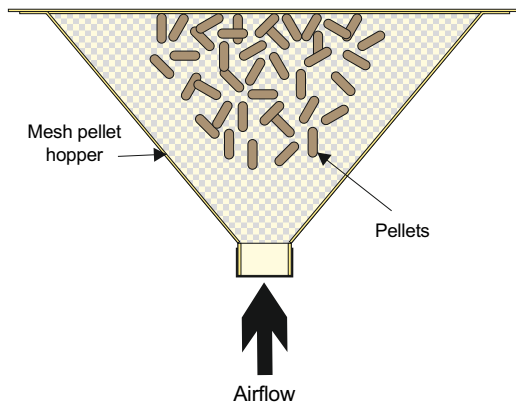
**TEKPRO®**

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## 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 at 70mBar, 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

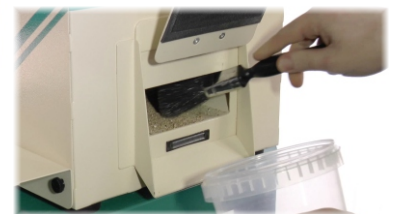
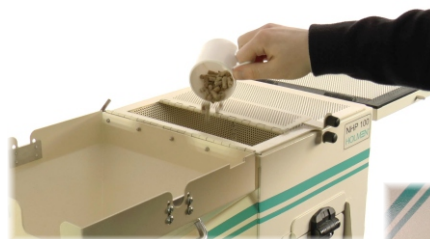
Ligno Tester



Portable / Manual  
Wood Pellets

### NHP100 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
- ◆ Pellets are tested for between 30 and 120 seconds
- ◆ Operator removes the filter and tested pellets
- ◆ Operator weighs the pellets and manually calculates the PDI result
- ◆ Operator cleans test chamber of fines



#### Standard NHP100 Includes:

- ◆ NHP100 with 2.5mm Mesh Hopper
- ◆ Sample Tub Support
- ◆ Power Cable
- ◆ Pack of 100 Particular Filter Papers
- ◆ Sample Tub
- ◆ Pressure Gauge Calibration Certificate
- ◆ Trim Tool
- ◆ Brush
- ◆ User Manual

## Distributed Worldwide

110V-115V & 220V-240V , 50 & 60Hz available