ISO Tumbler Test Device Double Drum

LT-M1566 | Evaluation of iron ore mechanical resistance

Simultaneous double drums • Programmable revolution count • Automatic positioning



2 Drums

SIMULTANEOUS TESTING

ISO 3271:2015

TUMBLE AND ABRASION INDICES

Lump ores • Sinters • Hot-bonded pellets

Photographs and Components

Two drums, sealed covers, protective enclosure and discharge trays

The LT-M1566 evaluates iron ore resistance to size degradation caused by impact and abrasion. Two drums operate simultaneously, with sealed covers and a protective enclosure around the testing area.



DOUBLE DRUMS

Two samples are tumbled simultaneously under the same test programme.

SEALED COVERS

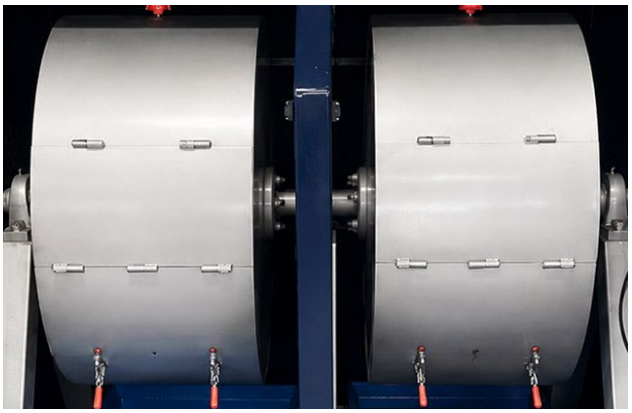
Drum covers limit material and dust loss during the test.

PROTECTIVE ENCLOSURE

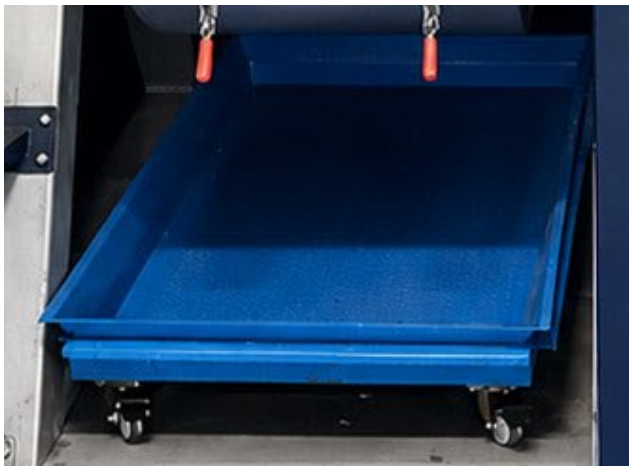
The steel enclosure and acoustic lining surround the rotating testing area.

DISCHARGE TRAYS

Trays below the drums collect the samples after testing.



Drum covers and connections



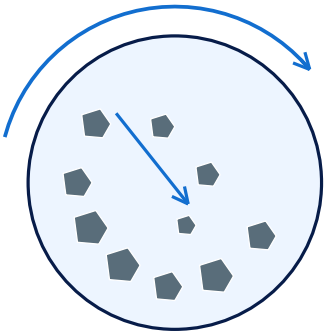
Discharge tray and collection area

LT-M1566

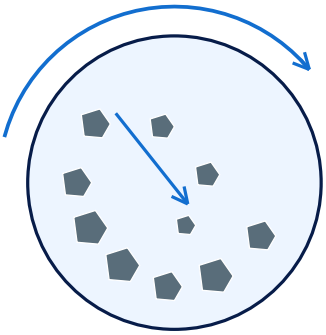
Tumbling and Evaluation Workflow

ISO 3271:2015 • Impact and abrasion • Sieving, weighing and indices

Drum 1



Drum 2



Both drums operate together under the same test programme.

01

Collect Sample

Collect the sample in the discharge tray after tumbling.

02

Sieve into Fractions

Separate the sample using the sieves required by the test method.

03

Weigh and Calculate

Use fraction masses to calculate the tumble and abrasion indices.

Sample Materials Evaluated

01

Lump Ores

Lump iron ore samples

02

Sinters

Agglomerated sinter samples

03

Hot-Bonded Pellets

Iron ore pellet samples

Technical Features and Control

LT-M1566 • Double drums, automation and safety systems

Technical Specification	Value / Function
Product Code	LT-M1566
Reference Standard	ISO 3271:2015
Number of Drums	2
Operating Configuration	Two drums operating simultaneously
Drum Rotation Speed	Adjustable
Total Revolution Count	Programmable
Panel Displays	Test duration and completed revolutions
Revolution Counter	Resettable
Automatic Positioning	Stops at loading / unloading position
Drum Covers	Sealed and easy to open
Sample Collection	Discharge tray
Door Safety Interlock	Prevents operation with the enclosure open
Emergency Stop	Included
Enclosure Sound Level	85 dB or below

Running the Test

01

Load Samples

Load prepared samples into the drums and close the covers.

02

Select Programme

Set speed and total revolutions for the test method.

03

Monitor Test

Follow time and completed revolutions on the panel.

04

Discharge Samples

After automatic positioning, collect samples in the trays.

Product Page | liyatest.com.tr/en/urun/iso-tumbler-test-device-double-drum/