Pellet Press

LT-A9750 / LT-A9760 | Pressed analytical pellets from ground powders

Manual and digital models • Double-flow pump • Controlled compaction in a die



250 kN

MAXIMUM LOAD / APPROX. 25 TONNES

2 models

MANUAL AND DIGITAL

Pellet preparation for XRF • Ø32, Ø35, Ø40 and Ø51.5 mm die options

Photographs and Components

Digital model, pressing area, upper handwheel and manual model view

The Pellet Press converts ground powder samples into solid analytical pellets. The manual model indicates load on a manometer; the digital model measures force with a load cell and displays it on an LCD.

UPPER HANDWHEEL

The upper handwheel and screw allow the upper pressing position to be adjusted.

PRESSING AREA

The sample die is positioned between the upper and lower pressing surfaces.



DIGITAL LOAD DISPLAY

The LT-A9760 displays load-cell force measurements on its LCD screen.

EMERGENCY STOP

The red mushroom button is on the front panel in the digital model photograph.



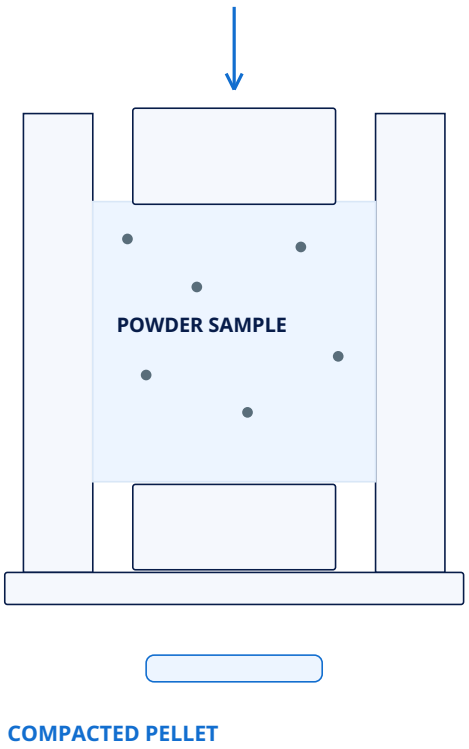
LT-A9750 | Manual press and manometer



LT-A9760 | Digital load display

From Powder to Pressed Pellet

Load the die • Compact under pressure • Form a smooth analytical surface



Load the Die

Fill a pellet die with ground sample; select a diameter suitable for the analyser.

Apply Force

Apply load using the double-flow pump and monitor the model display.

Remove the Pellet

Release load, remove the die and inspect the surface of the prepared pellet.

Grinding fineness, sample mass, binder use and pressing conditions influence pellet quality. Keeping these variables consistent supports comparison across repeated XRF sample preparations.

Pellet Die Options



Ø32 / Ø35 / Ø40 / Ø51.5 mm

Select Load for the Sample

Determine force according to sample properties, die diameter and the selected method. Centre the die on the pressing surface and record load and pressing conditions with the sample identification.

Manual and Digital Model Comparison

LT-A9750 / LT-A9760 • Load measurement, capacity and model data

Technical Specification	LT-A9750 | Manual	LT-A9760 | Digital
Maximum Load	250 kN / approx. 25 tonnes	250 kN / approx. 25 tonnes
Load Measurement / Display	Manometer	Load cell / LCD
Approximate Weight	22 kg	25 kg
External Dimensions	40 × 25 × 55 cm	-
Power Supply	-	220 V, 50 Hz, single phase
Pump Arrangement	Double-flow	Double-flow
Die Diameter Options	Ø32 / 35 / 40 / 51.5 mm	Ø32 / 35 / 40 / 51.5 mm
Main Application	XRF pellet preparation	XRF pellet preparation

Monitor Applied Force

Read the manual model manometer or the digital model load-cell LCD display. Record the chosen target load together with the sample and die configuration.

Pellet Preparation Workflow

01
Prepare Sample
Prepare ground powder to the method.

02
Position Die
Fill and centre the sample die.

03
Apply Load
Monitor target force on the display.

04
Collect Pellet
Release load, remove and label the pellet.

Product Page | liyatest.com.tr/en/urun/pellet-press/