

## Laboratory Digital Display Automatic Hydraulic Pellet Press

### PRODUCT DESCRIPTION

- LABWAN scientific Automatic Laboratory Pellet press LSHP-40 Hydraulic Laboratory Pellet Press
- LABWAN scientific hydraulic laboratory pellet press is an automatic and fully programmable pellet press designed for repetitive pressing of sample pellets for XRF, IR, and other analytical techniques. This press can also be operated manually as a simple motorized press whose functions are under direct user control.
- The programmable LCD screen interface allows the use to program the final desired pressure, time to hold at final pressure, and interval to return back to zero pressure. Safety features include a safety interlock that holds the door of the chamber in a locked position during operation and an automatic pump shut-off safety valve to ensure the safety of users.
- This 35-ton (31.8 metric ton) hydraulic laboratory pellet press accepts 13-, 31-, 35-, and 40-mm pellet die sets.



### APPLICATION/USES

- IR / FTIR / XRF sample preparation
- XRF pellet pressing
- Preparation of sample pellets from powdered materials
- Repetitive and accurate pellet pressing
- R&D and quality control laboratory applications
- Other analytical sample preparation techniques
- Laboratory applications requiring automated and programmable pressing

## FEATURES

- Press samples quickly and repetitively within minutes
- Ideal for accurate and repetitive pressing of sample pellets for XRF and other analytical techniques
- Automated, programmable laboratory press allows for samples to be pressed within minutes
- Ensure safe operation with safety interlock and automatic pump shut-off safety valve
- Compact design efficiently uses your laboratory bench space
- Programmable, user-friendly LCD screen interface
- RS232 Data login communication Port
- External Printer facility

| Technical Data        | Value          |
|-----------------------|----------------|
| Max. Working Pressure | 135 Kg/sq.cm.  |
| Max. Daylight         | 120 mm         |
| Electric Supply       | 230 V AC Mains |

| Model                        | LW-HP 15TDS   | LW-HP 25TDS   | LW-HP 40TDS   |
|------------------------------|---------------|---------------|---------------|
| <b>Pressure Range</b>        | 0-15T         | 0-25T         | 0-40T         |
| <b>Piston Diameter</b>       | 50 mm         | 80mm          | 100mm         |
| <b>Maximum Piston Stroke</b> | 20mm          | 25 mm         | 30 mm         |
| <b>Table Diameter</b>        | 110 mm        | 110 mm        | 130 mm        |
| <b>Workspace</b>             | 90×90×150mm   | 120×100×150mm | 120×00×200mm  |
| <b>Pressure Stability</b>    | ≤1MPa/5min    | ≤1MPa/5min    | ≤1MPa/5min    |
| <b>Weight</b>                | 90kg          | 120kg         | 150kg         |
| <b>Exterior Size</b>         | 350×350×360mm | 400×400×400mm | 400×470×560mm |