

Compaction Simulators using **servo-hydraulic** technology

HB100

Full featured
high-performance
simulator

with integrated
power pack



HB100 Performance Data:

Double Ended rated force	50kN or 130kN
Max rated punch speed	1000mm/s each actuator
Dwell time	< 1ms using V profiles
Data Acquisition	100kHz per channel simultaneous
Position resolution	1 micron
Force resolution	< 1N
Cycle rate (single layer)	8 tablets per minute, automatic fill
Footprint	1405 X 1250mm (plus screen)

HB100

Full featured high-performance simulator

with integrated
power pack

HB100 Features:

- High Speed press for simulation of high speed production
- Optional containment to <100ng/m³/TWA 8h; containment-ready configuration is available
- Larger frame to accommodate a high force option (up to 130 kN) and tri-axial Hiestand testing options
- Optional lower actuator lock for single ended high speed tests
- 50 kN servo-hydraulic versatile double ended tablet press simulator
- Configurable work space for tablet compaction, tri-axial, or capsule filling tests
- Position controlled press simulation or research profiles
- Load controlled material characterisation profiles and initial set-up studies
- Hybrid control mode allows simulation of load limiting production presses such as Courtoy or simple load limited position controlled tests
- Single ended tests or double ended press simulation compaction tests
- Upper and Lower force measurement loadcells
- Optical encoder punch position measurement
- One or two programmable electric feeder drives
- Gravity, stirred or paddle wheel feeder options
- Uses standard press tooling or an extensive range of instrumented tooling
- Low power consumption from 3-phase power supply
- Comprehensive data analysis software, export graphs or peak data to excel readable TSV file if required
- Automated analysis calculations
- Automated multi-layer set-up
- Select test profiles from a library of production tablet presses or production roller compactors
- Sophisticated and simple test set-up software routines
- CE certified and complies with UL requirements

Simulator range:



HB10
Semi-automated simulator



HB50
Versatile, high-performance
simulator



HB100
Full-featured, contained,
high-performance simulator

Huxley Bertram

Huxley Bertram Engineering
Cambridge CB25 9QP
England

Tel: +44 (0)1223 203160
Email: info@huxleybertram.com

www.huxleybertram.com