

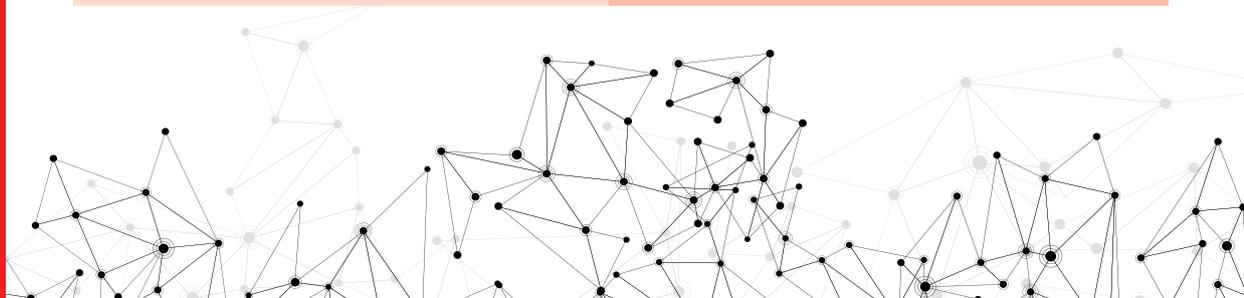
Compaction Simulators using **servo-hydraulic** technology

HB50
high-performance
simulator
with integrated
power pack



HB50 Performance Data:

Double Ended rated force	50kN
Max rated punch speed	500mm/s each actuator
Dwell time	< 1ms using V profiles
Data Acquisition	100kHz per channel simultaneous
Position resolution	1 micron
Force resolution	<5N
Cycle rate (single layer)	8 tablets per minute, automatic fill
Footprint	1100 x 795 mm



HB50

high-performance simulator

with integrated power pack

HB50 Features:

- 50 kN servo-hydraulic versatile double ended tablet press simulator
- Configurable work space for tablet compaction 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 CSV 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

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