



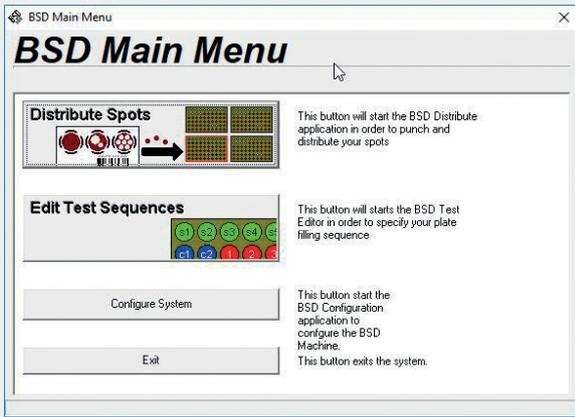
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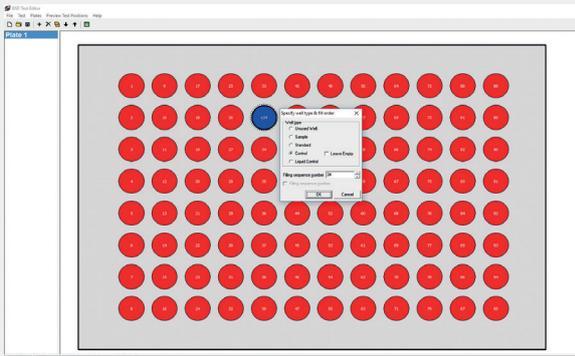
# BSD 300

LABORATORY SAMPLE PUNCHER



### Main Menu

- The main menu allows entry to software modules.
- Access to each module is controlled using Supervisor and User level passwords.



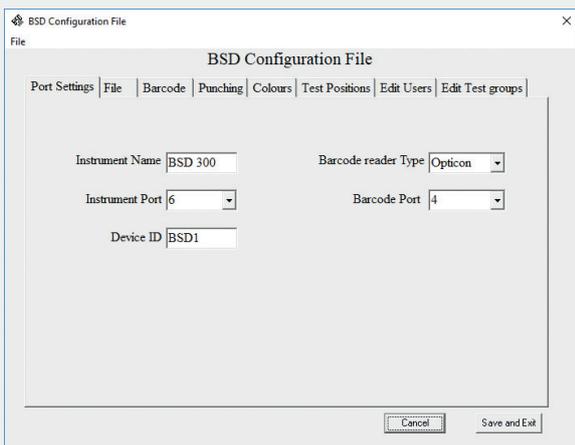
### Test Editor Module

- Used to define and program individual tests.
- Set punch sizes, number of disks and filling order for individual plates.
- Allows individual definition of each well for sample, test or standard.
- Set cleaning punches.
- Up to 10 disks per well can be specified.



### Distribution Module

- Used to run punching tests defined in the test editor.
- Displays the current punching pattern and progress.
- Shows instrument status messages for routine operation.

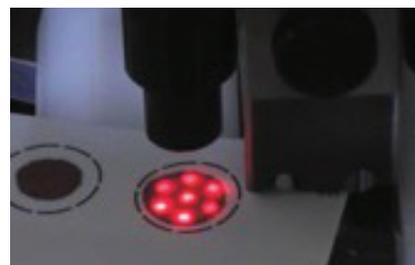


### Configuration Module

- Used to view and change the instrument configuration, preferences and options.
- Change settings and calibrate the instrument during installation.
- Supervisor access level is required.

## 1. Light Targeting System

- Guides the user for best sample position.
- Automatically illuminates the number of punches chosen at the punch site.
- Enables the user to punch quickly and accurately.



## 2. Precision Punch and Die

- Gauge manufactured tool steel components.
- Dual punch combination in a range of punch sizes.



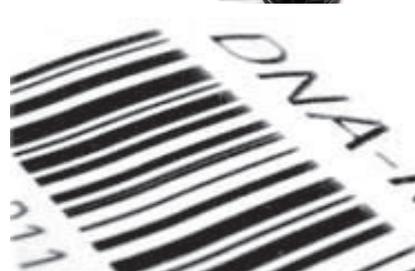
## 3. Dust Extraction System (option)

- Vacuums away paper dust from the punch site to reduce the potential of instrument and sample contamination.



## 4. Integrated Barcode Reader

- Enables positive identification and traceability of plates, samples, controls and standards.
- Allows for traceability at all levels of the punching process, delivering unique identification information.



## 5. Disk Detector System

- Recognizes if a disk has not passed into the receiving well and automatically responds.
- 5 beam design for high detection reliability.



## 6. Air Humidification System

- Ensures the punched disks are delivered to the correct receiving well for downstream processing and reduces the chances of well 'jumping'.



## 7. Auto-Trigger (option)

- Eliminates the need for hand/foot switches.
- Sensor automatically detects the presence of a sample card and punches after a pre-set time delay.



FEATURES		BSD300
PLATE CAPACITY	<b>Six Plates</b> 96 well standard or deep well type, PCR plate or 96 tube adaptor for screw top tubes.	
PUNCH SYSTEM	<b>Dual</b> Two Punch Sizes	
PUNCH SIZES AVAILABLE	1.0, 1.2, 1.5, 2.0, 3.0, 3.2, 3.8, 4.0, 4.7 or 6.0mm	
PUNCH AND DIE	Mark 2	
MULTIPLE PATTERN PUNCHING	Yes	
LIGHT TARGETING SYSTEM	Yes	
DISK DETECTION SYSTEM	5 Beam	
INTEGRATED BARCODE READER	Yes	
AIR HUMIDIFICATION SYSTEM	Yes	
DUST EXTRACTION SYSTEM	Optional	
CLEANING CONTAINER	No	
FOOT OR HAND PUNCH ACTIVATION	Yes	
AUTO TRIGGER PUNCH ACTIVATION	Optional	
COMPUTER INTERFACE	RS323 Port	
PHYSICAL DIMENSIONS (mm)	W	1000
	D	450
	H	400
POWER SUPPLY	Internal 110-240V	

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