

QUICKPICK

BIB Loader - Unloader



Key Features

- Application**
- BIB Loader / Unloader
 - Semi automatic
 - Tube and tray
 - Pneumatic operation
- BIB**
- Accepts multiple BIBs
 - BIB support base plates
 - Numerous package types
 - Socket actuator plates
- Operation**
- Vacuum load and unload
 - Vacuum puff soft loading
 - XYZ head rotation
 - Safety Interlocks
 - User friendly operation

System Highlights

- *Semi-automatic loader - unloader*
- *Accepts multiple BIB types*
- *Actuates all open-top sockets*
- *Package types include QFP, LCC, PLCC, CSP, QFN*
- *Pneumatic operation*
- *Vacuum head load - unload*
- *Vacuum puff-off to insert devices from correct height*
- *Safety switch interlocks for safe actuation*

System Overview

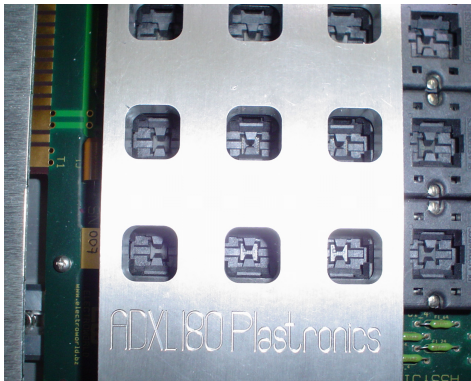
■ The Abrel Quickpick loader / unloader is designed to facilitate the loading and unloading of multiple BIB types. A quick release system facilitates the changeover of the actuating plate for different board types. There is a free-moving Vacuum pick up head with full XYZ motion.



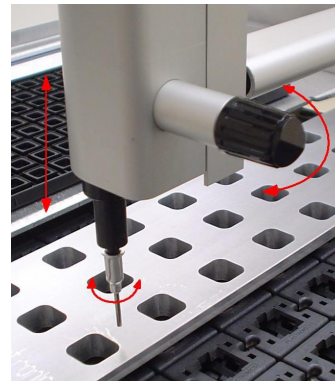
■ Device pickup is very fast with a touch on/off control of the vacuum. There is built in puff-off in the Vacuum head to ensure there is no damage to the device during loading. There is also an integrated loading shelf which accepts a standard JEDEC waffle tray, reducing DUT travel distance and maximising load and unload time.

■ A footswitch pedal engages the actuation and there is the added safety feature of 2 button switches having to be depressed prior to the actuation. There is a base plate supplied with each BIB for stability during loading. There is also a pressure adjustment facility to increase or decrease the actuation pressure.

Summary System Specifications



- Quick release actuator plate for different sockets



- XYZ movement Vacuum head

■ System Configuration

Pneumatic socket actuator
Vacuum load and unload
Touch 'on' touch 'off' operation
360° Vacuum head rotation
Footswitch operation
Vacuum puff-off for maximum accuracy
Optional probe interface for Board tester

■ Burn-in Boards

BIB size max 24.00" x 12.00"
Open top socket types
Package types including QFN, CSP, QFP
Pressure plate for each board type
BIB alignment guide for fast setup
Adjustable actuation force

■ Accessories

Actuator Plates for all open-top socket types
Support base plate to minimise PCB stress
Adapters for BIB testing
Test probes for all socket types

■ Dimensions

Depth: 1100mm including loading arm
Length: 1120mm including table travel

■ Facilities

100-240VAC single phase supply
24VDC supplied from mains adapter
4-6 bar dry air supply
Regulator input 1/4 BSP to 6mm stud



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