

RapidPick™ SP

Single-Pin Colony Picker

Hudson RapidPick Systems offer the highest flexibility, throughput and efficiency in automated colony-picking.

The RapidPick SP is a single-pin picker for users who need RapidPick accuracy and throughput of up to 250 colonies per hour.

Hudson's Colony Picking technological advantages:

Average inoculation rates of over 99% are achieved through continuous picking from the source plate and placing to the destination plates. The major competitors use batch picking so there is a delay in placing colonies into the destination plate. The delay may weaken the bacteria or cause death.

These colony pickers have a small footprint so they can easily fit labs with limited space or into anaerobic chambers and biosafety hoods. Hudson can provide chambers to showcase your workcells.

RapidPicks are designed to easily work with other Hudson instruments as well as instruments from other manufacturers allowing you to automate complete workflows. Add incubators, media dispensers, microplate sealers, barcode readers and over 200 other instruments to your workcell.

Hudson's RapidPick™ systems are designed to pick from petri dishes, Nunc™ Omnitrays™ or any SLAS standard microplate. They will inoculate SLAS 1, 24, 96, 384 or 1536 deepwell and standard height microplates. Dual destination plate nests are standard. Optional fluorescent or Halo detection functionality is available. The RapidPick software is intuitive and user friendly.

RapidPick™ Colony Pickers

RapidPicks are simple yet robust picking systems that are available in 5 platforms:

SP: Compact, single-pin version, with the same user features and accuracy as all RapidPicks, with standard dual destination plate nests.

MP: Automated, 20-pin colony picker with rotary action for constant delivery of colonies to the destination plate. Inoculation rates of 99% are normal. Manually loaded source and destination plates. Up to 2,400 picks/hour (typical)

Lite: Includes the Basic module, plus adds Hudson's Plate-Crane robot arm plus 5 plate stacks for automated source and destination plate loading.

Complete: Adds robotic media dispensing and adhesive plate sealer, in a stand-alone enclosure with optional UV and HEPA filtration.

Harvester: Provides aspiration of colonies, for use with semi-solid media.



The RapidPick SP

Applications

Colony Picking

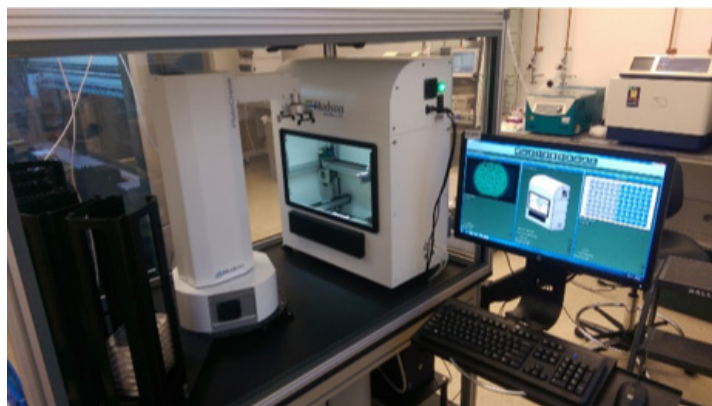
- Bacterial
- GFP
- Halo-forming
- Yeast
- Blue/White

Re-arraying

- 24-well into 96-, 384-, 1536- well
- 96-well into 24-, 384-, 1536- well
- 384-well into 24-, 96-, 1536- well

Plate Replication

- 24-, 96-, 384-, 1536- well
- Deep-well Plates
- Standard Height Plates



RapidPick™ SP with Robotic Loading

Specifications

- Highest quality USB camera and lens
- Software/camera images whole plate in 1 image field
- Tungsten picking pin with vacuum wash bath and heater coil sterilization
- Tungsten pin heats and cools quickly: allows sterilization to be done with direct heat
- User selects colonies based on size, shape, separation from neighbors, blue/white; fluorescent imaging option is available
- Unlimited number of image parameter files for different users and sample types
- Pick from segmented plates using onboard masks
- Dual destination plate nests for replicates and archiving.
- Utilities: 120VAC, 4 Amp; DI Water Source.
- LED light box is controlled in software improving ease of use
- Dimensions: 23.62" (60cm) W x 18.97" (482cm) D x 29.18" (74.1cm) H: fits easily inside anaerobic chambers.