RapidPick™
Automated Colony Picking Systems

The RapidPick Series offers the highest flexibility for workcell automation, throughput and efficiency in colony-picking.

Hudson's Colony Picking technological advantages:
Average inoculation rates of over 99% are achieved through continues 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.

Hudson colony pickers have a small footprint so they can easily fit into 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 dish, Nunc™ Omnitray™ 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

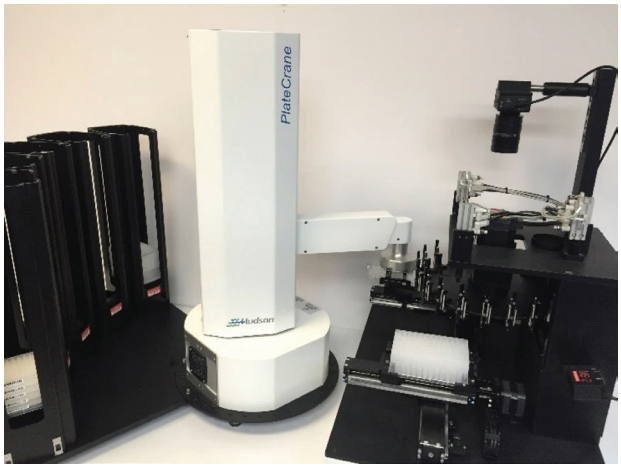
RapidPicks are simple and robust picking systems that combine easy operation with high speed and durability. RapidPicks are available in multiple platforms:

MP: Automated, 20-pin colony picker with rotary action for constant delivery of colonies to the destination plate. Inoculation rates of 96% are normal. Accepts manually loaded source and destination plates. Performs up to 2,400 picks/hour (typical).

Lite: Includes the MP colony picker, plus adds a Hudson PlateCrane robot arm and 5 plate stacks for automated source and destination plate loading.

Complete: Includes the Lite workcell with 10 stacks and adds a Lexan-paneled lighted enclosure, a media dispenser and an adhesive plate sealer.
Optional: incubator, UV and HEPA filtration.

SP: Economical, single-pin version, with the same user friendly, automation compatible features and accuracy as all RapidPicks. Picks up to 250 picks/hour (typical).



RapidPick Lite

Applications

Colony Picking

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

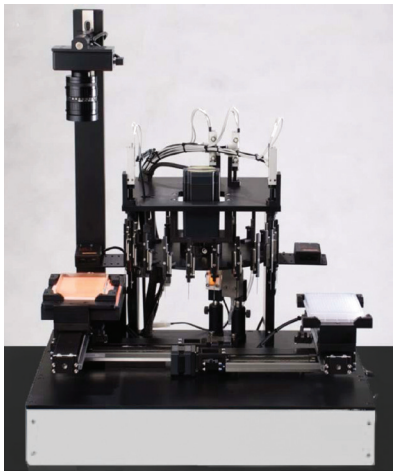
Re-arraying

- 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

Single-Pin RapidPick™ SP



RapidPick™ MP

Specifications

- Highest quality USB camera and lens
- Software/camera images whole plate in 1 image field
- Standard adjustable parameters based on: Radius, Amplitude, Elongation, Conformity, Separation
- Continuous cycling of the pin from picking to destination to vacuum wash bath to heater coil
- Tungsten pins heat and cool quickly allowing sterilization to be done with direct heat
- Barcode readers for source and destination plates are standard
- User selects colonies based on size, shape, separation from neighbors, blue/white
- Unlimited number of image parameter files for different users and sample types
- Pick from segmented plates using onboard masks
- Easy to use, easy to support
- RapidPick MP Colony Picker measures only 17 in. x 21 in x 27 in.
- LED light box is controlled in software improving ease-of-use

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.