

RapidPick™ Automated Colony Picking Systems

Ahead of the Curve.

*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% because of the 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.

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 manufactures allowing for you to automate complete workflows. Add incubators, media dispensers, microplate sealers, barcode readers for data tracking and over 200 other instruments to your workcell.

Hudson's RapidPick™ systems are designed to pick from petri dishes, Nunc™ Omnitray™ or any SBS plates, including: 1, 6, 8, 24, 48 and 96-well plates. They will inoculate SBS 1, 24, 96, 384, 1536 deepwell and standard height plates. A 2nd destination plate available for archiving. Optional fluorescent or Halo detection functionality available. The RapidPick software is intuitive and user friendly.

RapidPick™ Colony Pickers

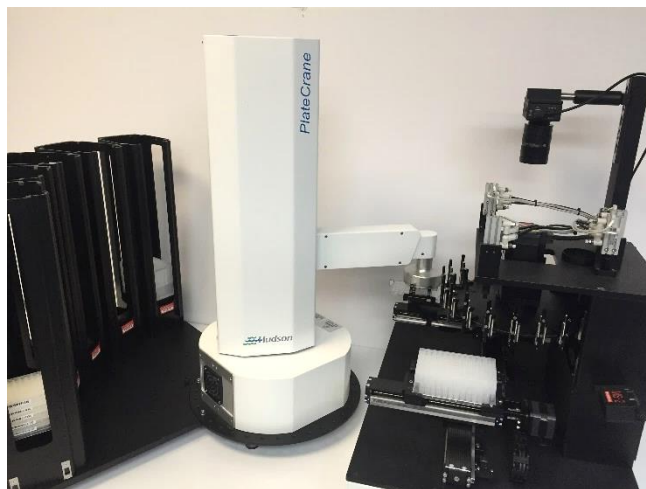
RapidPicks are simple yet robust picking systems that combine easy operation with high speed and durability. Available in multiple platforms:

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

Lite: Includes the MP colony picker, plus adds Hudson's 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 adhesive plate sealer. Optional: incubator, UV and HEPA filtration.

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



The RapidPick™ Lite



Corporate Headquarters:

10 Stern Avenue | Springfield, NJ 07081-2905 | +1.973.376.7400 | info@hudsonrobotics.com | www.hudsonrobotics.com

Applications

• Colony Picking

- Bacterial
- GFP
- Halo-forming
- Yeast
- Blue and white

• Re-arranging

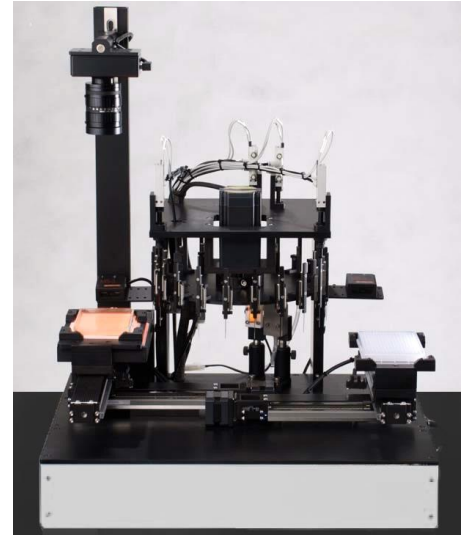
- 24-well into 96-, 384-, 1536- well
- 96-well into 24-, 384-, 1536- well
- 384-well into 24-, 96-, 1536- well



The Single-Pin **RapidPick™ SP**

• Plate Replication

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



The **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
- 20 tungsten picking pins rotate 360° from picking to destination to vacuum wash bath to heater coil
- 360° rotation allows for continuous picking and processing
- Tungsten pins heat and cool quickly allows 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