Compact automated colony picker

Compact system for image-guided colony selection and transfer in microbial screening workflows.

Colony picking



Features

- A compact automated system with an independently motorised 96-pin picking head.
- Laser pin calibration and image-guided colony detection.
- Supports colony transfer, plate replication and re-arraying.

Technical specifications

Published throughput	3,000 colonies/hour headline; up to 4,000 in the brochure table - confirm configuration
Picking head	96 independently motorised pins; interchangeable heads
Picking accuracy	Above 99% under the specified test conditions
Pin material	Interchangeable stainless steel
Pin cleaning	Two static wash baths and halogen drying
Source capacity	Up to two 90 mm plates
Source formats	90 mm dishes, 128 × 86 mm trays, 125 mm square dishes
Destination capacity	Picking: two plates; replication/re-arraying: up to four plates
Destination formats	96/384-well shallow or deep plates; PCR plates
Imaging resolution	100 pixels/mm
Detectable colony size	Down to 200 µm in the published configuration
Field of view	54.75 × 36.52 mm
Illumination	Transmitted illumination and darkfield; optional blue, green, red or custom fluorescence
Cleanliness	UV germicidal illumination
Dimensions (W × D × H)	1008 × 588 × 846.5 mm
Power input	220-230 V AC, 50/60 Hz; optional 110-120 V AC

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Applications

- Colony screening and clone transfer where installation space is limited.
- Integration into microbial screening and plate-handling workflows.

Configurations and accessories

- Specify plate formats, optional fluorescence channels and required electrical supply.
- Confirm the required picking rate and wash cycle against your actual protocol.

Selection notes

- The brochure gives different throughput figures in its headline and specification table. The applicable performance must be confirmed for the selected protocol.

Precisometer | info@precisometer.com

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