

k6 picker

Automated colony picking systems

k8 picker

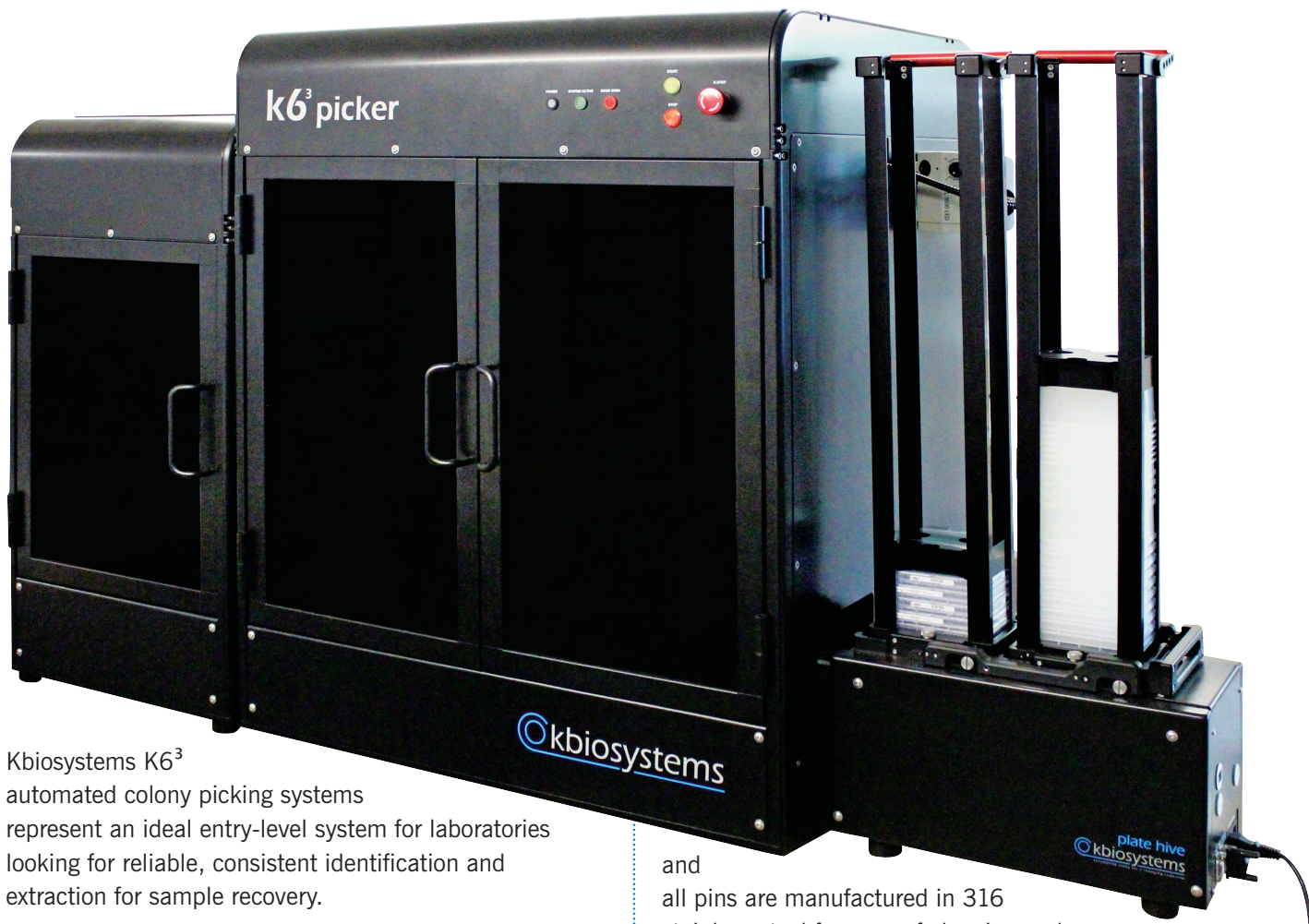
FLIOPICUS

kbiosystems

kbiosystems

automating today for a changing tomorrow

K6 colony pickers



Kbiosystems K6³ automated colony picking systems represent an ideal entry-level system for laboratories looking for reliable, consistent identification and extraction for sample recovery.

Offering complete versatility, the K6³ Series will work with a wide range of plates for both source and destination, such as microplates (96,384 shallow and deep well formats), Petri Dishes (from 4 to 15cms), Omni style trays, multi-well growth plates and bio assay trays.

The modular system makes increases in system capacity easy, with simple upgrades to source and destination capacities.

Kbiosystems K6³ colony pickers range in size and throughput ability, offering the user the ability to step up from hand picking to first stage automation. Picking accuracy is in excess of 98.5%. The use of different pin types allow transfer volumes to be defined

and all pins are manufactured in 316 stainless steel for ease of cleaning and longevity.

System drive now has full positional feedback to improve accuracy and speed. Imaging is carried out via a USB3 camera system allowing the software algorithms to detect monochromatic scale for standard picking and optional colour differential between emitting organisms, if required. By fitting an optional fibre optic fluorescent excitation light source and emission camera filters, multiple dye ranges can be visualised.

The system is available in three configurations: **K6** picker only, **K6 XT** picker with automated destination plates, single or dual lane and **K6 XL** picker with automated source trays and destination plates (single or dual lane).

	K6 (picker only)	K6 XT (picker with automated destination plates)	K6 XL (picker with automated source trays and destination plates)
Height	1000mm	1000mm	1000mm
Width	799mm	1215mm	1934mm

K8 colony pickers

Kbiosystems K8 Series of automated colony picking systems offer laboratories the ideal medium throughput solution for reliable, consistent identification and extraction for sample recovery.

Offering complete versatility, the K8 Series will work with a wide range of plates for both source and destination, such as microplates (96, 384 shallow and deep well formats), Petri dishes (from 4 to 15cms), Omni style trays, multi-well growth plates and bio assay trays.

An increase in operational capacity is offered with the option to fit one or two destination plate automation lanes. These allow the processing of up to 220 standard destination plates and up to 60 deep well blocks. Second stage automation allows the automatic handling of 8 source tray locations. This complete system allows the processing of up to 84,480 picked colonies. Picking accuracy is in excess of 98.5%. Use of different pin types allow transfer volumes to be defined. All pins are manufactured in 316 stainless steel for ease of cleaning and longevity.

System drive now has full positional feedback to improve accuracy and speed. Imaging is carried out via a USB3 camera system allowing the software algorithms to detect monochromatic scale for standard picking and optional colour differential between emitting organisms, if required. By fitting an optional fibre optic fluorescent excitation light source and emission camera filters, multiple dye ranges can be visualised.

The system is available in three configurations: **K8** picker only, **K8 XT** picker with automated destination plates, single or dual lane and **K8 XL** picker with automated source trays and destination plates (single or dual lane).



K8



K8 XT



K8 XL

	K8 (picker only)	K8 XT (picker with automated destination plates)	K8 XL (picker with automated source trays and destination plates)
Height	1078mm	1078mm	1078mm
Width	1665mm	2276mm	2990mm

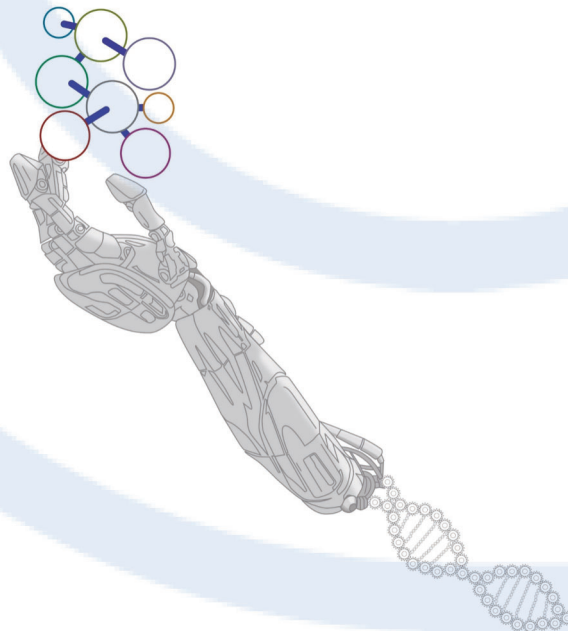
Kbiosystems



Kbiosystems has been providing automated solutions since 1991 for the automotive, life science, plant and animal science, biofuel, diagnostic automation and optical lens manufacturing sectors.

The company's offering includes a product business providing instrumentation for research laboratories worldwide, complemented by a custom automation business that takes automation concepts and delivers fully designed, manufactured and installed system solutions.

With multiple business units, a unique manufactured standard product range, OEM customer platforms, and custom design, Kbiosystems has the experience, technical expertise and accreditations to meet the requirements of any industry.



Kbiosystems Limited

5 - 10 Paycocke Close Basildon Essex SS14 3HS UK Telephone: +44 (0) 1268 522431
sales@kbiosystems.com www.kbiosystems.com

E&OE. All trade marks acknowledged. © 2019 Wildcat Laboratory Solutions.