Highspeed Closed Tube Sorter

HCTS2000 MK2

Laboratory logistics precisely engineered

HCTS2000 MK2

High-Performance in the laboratory entrance

The HCTS2000 MK2 is designed for sorting closed primary sample tubes used in medical laboratories using information in the barcode or through queries to the LIS. The sorter helps optimize the work flow in the entrance area of the laboratory or in Hematology department by freeing up laboratory personnel so they can concentrate on other tasks.

Since the HCTS2000 MK2 is much faster and accurate than manual sorting, it quickly handles the surges of tubes as they arrive throughout the day. Bottlenecks in the Entrance and Hematology areas are minimized, TAT decreases, and total laboratory throughput is increased.

Processing a wide range of tubes

The HCTS2000 MK2 is an universal machine. It can handle many sizes of cylindrical tubes without adjustment. There is no restriction on how many tube sizes can be mixed together in a single load.

All common tubes are easily processed: Chemistry, Hematology and Coagulation tubes (serum, heparin, EDTA, Citrat etc.) from all vendors (GBO, Sarstedt, BD etc.).

Fast scanning and sorting

Laboratories have different work loads during a working day. Since the HCTS2000 MK2 sorts up to 2,000 tubes per hour, you can react immediately to any increase in the tube load arriving in your lab. Each tube is separated from the others and its barcode is scanned. Barcodes can have up to 30 characters.

Using the barcode information, the tube is uniquely identified and sorted into one of the 7 target bins. The sorting rules can be defined from the scanned barcodes or by querying the laboratory information system (LIS). Up to 10 different sorting rules can be stored in the HCTS2000 MK2, making it flexible and adaptable for the different sorting routines the Laboratory requires.

- Processing a wide range of tubes
- Fast scanning and sorting
- Simple & reliable construction

Simple & reliable construction

This is scanning and sorting made easy and without hassle. Put all tubes into the hopper, select a sorting rule and press the "start" button. There are no racks to be filled. Manual presorting of different tube types is not required. Scanning, identifying and sorting into the 7 target bins is done fully automatically. The HCTS2000 MK2 is perfect for any tube volume, no matter if there are 2.000 or 20.000 tubes to be operated daily. It handles the smallest quantities cost effective and runs through all rush hours during the day with its high capacity of 2.000 tubes per hour at the same time. It can be used as a stand-alone device or connected to your LIS.

The whole design concept of this device is based on one job only: Fast scanning and sorting of bulk tubes. The HCTS2000 MK2 is therefore the perfect solution for error free scanning and sorting of tubes in any lab.

Options

Extension Module

The Extension Module provides an additional 5 target bins and can be easily added to the sorter anytime. Connecting an Extension Module to a HCTS2000 MK2 requires a one-time installation of a connectivity board. The additional target bins are automatically controlled by the HCTS2000 MK2. Every HCTS2000 MK2 can be upgraded with up to 3 extension modules for a maximum of 22 target bins.

Part numbers	
30-101934	HCTS2000 MK2 - Sorter standard version
30-105944	HCTS2000 MK2 US - Sorter with warning light
30-104933	Extension module

More information about further configuration possibilities can be found in the Datasheet **HCTS2000 Accessories**.

HCTS2000 MK2

Technical specification

Sorting	
Speed	1,200 up to 2,000 tubes / hour
Sorting criteria	linear barcodes up to 30 digits:
	UPS/EAN, Code 39, Interleave 2 of 5, Code 128, Codabar, EAN
	128, EAN Abendum, Pharma Code, PDF417
	Query mode with the LIS, up to 25 order requests
	2D-Data-Matrix-Code (optional)
	cap color (optional)
Sorting rules	freely editable, 10 rules storage capacity

Tube-handling	
Primary tubes	cylindrical tubes from any vendor
	length from 76 mm to 120 mm
	diameter from 8 mm to 19 mm
Tube input	funnel-shaped entrance hopper, 550 tubes capacity
Tube output	7 target bins, 200 tubes capacity per bin

General	
Operation	built-in processor with touch screen panel
	PC-software for editing of sorting criteria
	LIS-connection, simple ASCII-Protocol
Connections	Power supply 110 – 230 Vac, 50 – 60 Hz
	RS 232C-Data interface, 9600 Baud
	Ethernet interface, RJ45 (optional)
Dimensions	1430 x 1220 x 820 mm (56 x 48 x 32 in) (w x h x d)
Weight	160 kg (351 lb)