SC-120

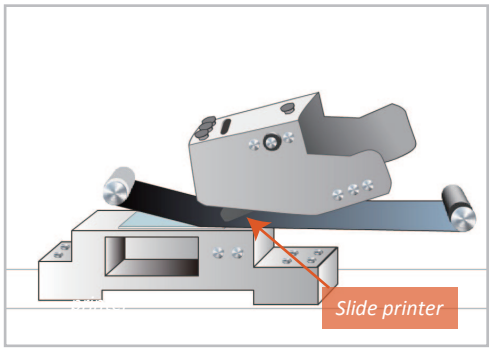
Slide Maker & Stainer

Reliable automation, High-class blood smear

mindray

healthcare within reach

The 7.8 inch LED touch screen is used for management of smear and reagent, performing basic operation and maintenance.



All patient information, including 1D or 2D barcode, number, as well as text could be printed on the frosted glass area of the slide with a durable thermal printer.

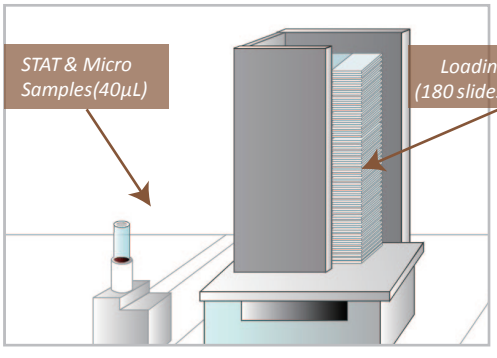
01 Reliable

Configurations

SC-120 is a standalone unit and it could also be integrated into the Mindray CAL 8000 cellular analysis line.

02 Automated

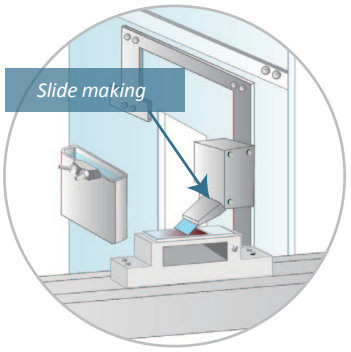
The cassette, which is used for carrying glass slides could be easily loaded from the front of SC-120, and be automatically transported inside by the track.

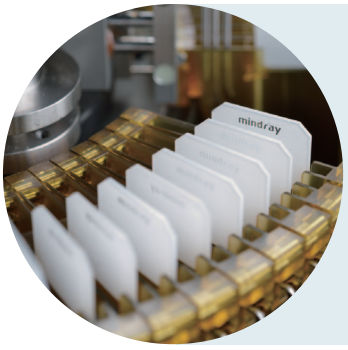


The STAT position ensures a faster blood smear preparation. This position can handle micro-samples requiring only 40μL blood, this is the smallest blood requirement in the hematology industry. Users are able to load up to 180 slides at a time into SC-120 for reducing the turn around time.

03 High class

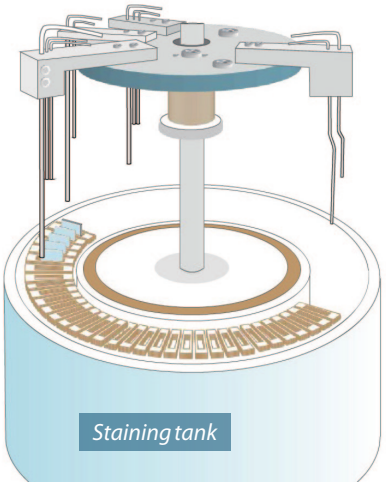
The blood spreader(or pusher) blade is made of highly durable sapphire glass. The blood volume requirement and the speed as well as angle of the blood spreader (or pusher) are automatically adjusted according to the blood sample's consistency.



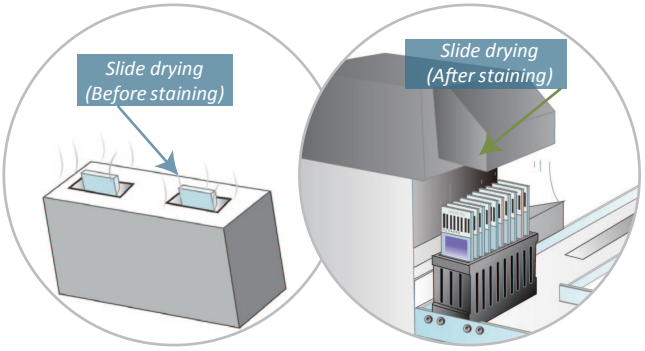


Staining Cassette

Each staining cassette holds single slide for staining, this eliminates the problem of stain evaporation and these cassettes could be cleaned automatically without any manual interventions.



SC-120 supports the globally common stain protocols including Wright stain, Wright-Giemsa stain and May-Grunwald-Giemsa stain. All stains solutions could be recycled up to 20 times, this saves over 50% the stains compared to the conventional technologies.



All slides are heat dried before and after staining. This optimizes staining quality and reduces contamination risk for the users.

Output

Both, the stained and dried slides are held in the cassettes at the output area where they are ready for a microscope review.

SC-120
Slide Maker & Stainer

Technical Specifications

Technology
Automated slide making & staining by single instrument
Automated detection of blood consistency and automated adjustment of blood volume, angle & speed of spreader(or pusher) accordingly to optimize quality of smear (or blood film)

Stain protocols
Wright stain,
Wright-Giemsa stain
May-Grunwald-Giemsa stain
With possibility to recycle stains up to 20 times

Throughput
Up to 120 stained slides per hour

Sample volume
200μL (autoloader and on track mode)
40μL (Micro-sample mode)

Printer
Built-in thermal printer for printing patient information including:
1D or 2D barcode, Number and Text

Interface
LAN port * 1, USB port * 4

Configurations
Standalone or on track (CAL 8000 cellular analysis line)

Autoloader
Load up to 50 sample tubes at once, random access

Cassette
Load up to 10 cassettes at once, each cassettes can hold up to 10 sides

Reagents & Consumables
Stains, Buffer fluid, Diluent, Probe cleanser, slides (Mindray provided)
Methanol, Deionized water (Locally sourced)

Reagent consumption
User-definable permitting up to 20 times recycling of stains

Samples
Blood (including slide making & staining)
Body fluid & Bone marrow (Staining only for prepared smears)

Sample selectivity
Automatic slide making & staining based on user-definable re-exam criteria

Slide
1-5 slides at a time per sample

Spreader blade material
Sapphire glass

Dimensions/Weight

Configuration	Unit	Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
Standalone	Main unit	845	610	910	200
	Pneumatic unit	305	425	475	25
On track	Main unit	845	610	815	185
	Pneumatic unit(in conveyor)	/	/	/	/

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