SHST

LABGIG

2023

Shenhua Science Technology Co., Ltd.

2023 NEW
Magic Series
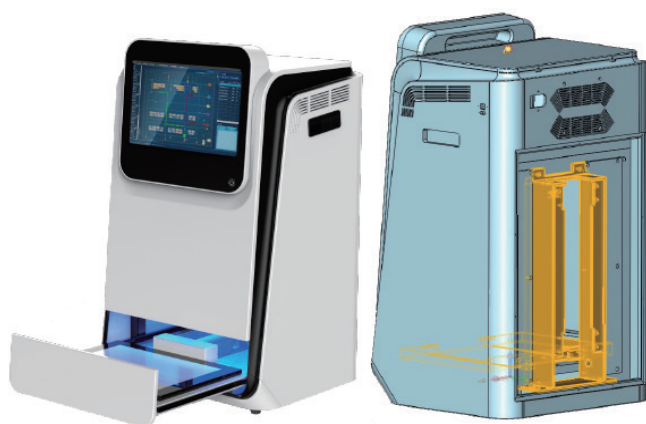

「Magic」Mini Chemi Imager

「Magic」Multi functional Imager

「Magic」Gel Doc System

///Features

- Sensitive Cooled Digital Camera

- Electronic lifting platfrom and accurate auto focus function provide the available view area for diverse sizes of the sample

- 「Magic」series adopt (optional) removable industrial computers, which provide high feasibility, running speed and avoid the after sales possibilities of the embedded PADs.

Electronic lifting platfrom and accurate auto focus

Removable industrial computer

Magic NEW
Mini Chemi Imager

⁄⁄⁄Introduction

Smart, Compact and saving the space. Optional removable industrial compute provides high feasibility, running speed and avoids the after sales possibilities of the embedded PADs.

⁄⁄⁄Features

- Smart and compact
- User friendly Interface
- Focus on Chemi Imaging Application
- High sensitive cooled digital camera
- Unlimited software users

⁄⁄⁄Parameters

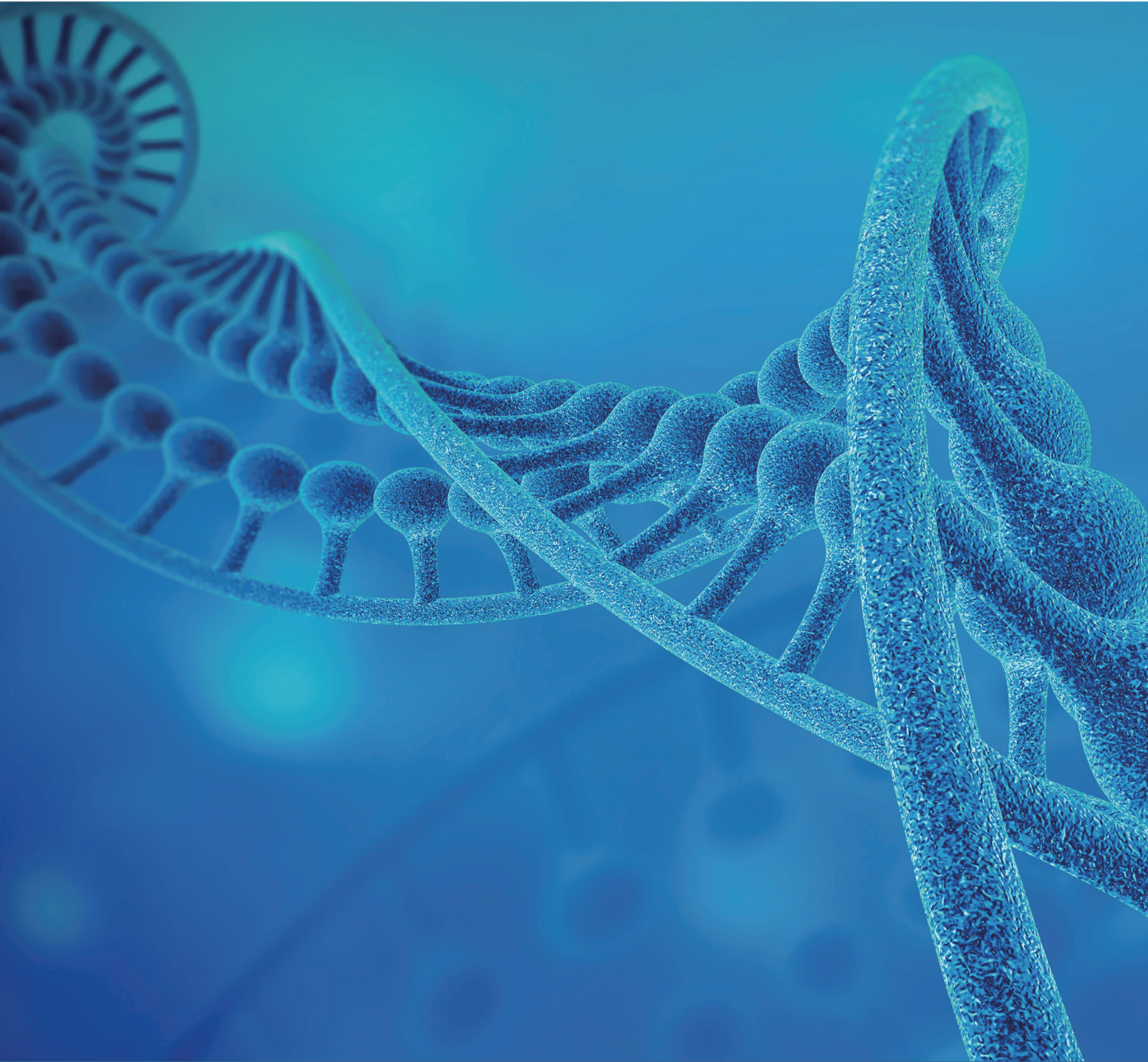| Model		SH-Magic 100 Mini	SH-Magic 523 Mini
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76 × 3.76 μm	4.54 x 4.54 μm
	Temperature	-30 degree regulated	
	Dynamic Range	4.8OD	
	Pixel density	16bit (65536 Grey scales)	
Lens	Fixed Lens	F0.95 as standard (optional F0.8)	
Industrial Computer	Optional	Removable industrial computer, 10.1 Inch Touch Screen, Intel processor	
Fluorescent Module	Optional	Epi-UV, RGB and NIR available	
Software	Capture	SHSTCapture Software	
	Analysis	SHSTAnalysis Analysis Software	

SHST Capture/Analysis Software

///SHST Capture

-Runs without the software encryption devices, so as to avoid the inability of experiments due to the loss or damage of encryption devices.

- Automatic exposure: The system automatically recognizes the sample intensity, automatically sets the optimal single exposure time, and obtains a single image without the need for manual settings.

- Multilingual interface, real-time image acquisition function, used for acquisition of nucleic acid, protein electrophoresis gel images and chemiluminescence images, GLP function, recording image generation time, shooting parameters and other information.

- Binning modes such as 1X1, 2X2, 3X3, 4X4 increase sensitivity of the system, so as to capture the weak bands.

- Automatic adjustment of grayscale, without manual adjustment of display parameters, can automatically present effective signals in the image perfectly

- Real time temperature display of the cooled CCD camera, so as to ensure the sample image acquisition under optimal condition of thecamera.

- Multi frame function provides four accumulation modes (time accumulation, grayscale accumulation, grayscales series and time series) .

- Overlay the Marker and Sample after acquisition, avoid manual stacking.

- -Multiple pseudo colors display bright bands in different colors, and make it easy to view the strength and weakness of the sample.

- Database management of sample images allows to view information on sample images captured at any time in the past.

///SHST Analysis

- Runs without the software encryption devices, unlimited software users.

- Automatic molecular weight calculation, band concentration calculation, relative content percentage calculation and density calculation

- Support various image processing functions such as rotation, cropping, and so on.

- Convenient image navigation and browse, adjust the window width and level, and achieve the best image display effect.

- Optical density calculations on designated areas, suitable for protein quantitative analysis.

- Remove background mode to obtain optimized accurate results of analysis.

- The analysis results can be output to an Excel file based on the selection range