

CHERRY

—

The high-precision pneumatic
correction dispenser



① Increase Corporate Profits

Maximize Corporate Profits by improving product yield and reducing operator's burden. In addition, liquid waste and running cost can be reduced through residual detection.

② Convenient Operation

Operator can gain convenient operation by using the jog dial. We made 'Cherry' easy for operators to learn by iconizing menu. We also support multi-language.

③ Efficient Operation

Improve discharge precision with our automatic correction technology!
'Cherry' is Cheaper Cost And Better Performance than other company's dispenser.

④ Realize Smart Factory

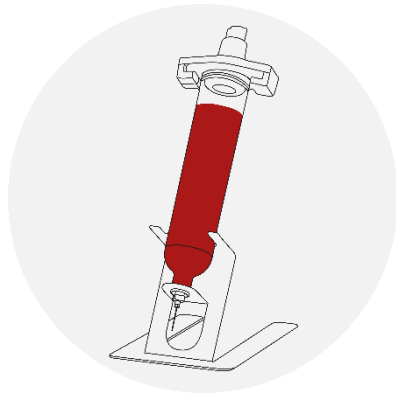
Build smart factory! Cherry's network function allows you to remote control the factory's 'Cherry' whenever and wherever you want.

⑤ Equalize Discharge Volume

'Cherry' can detect the remaining liquid in the syringe. This function equalizes liquid discharge volume. In addition, more accurate and uniform discharge is possible through time and vacuum correction.

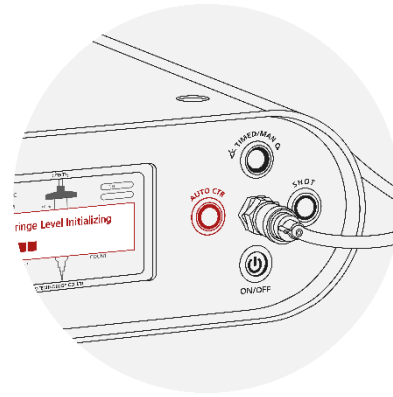
Automatic Correction Function

Syringe Level Initializing



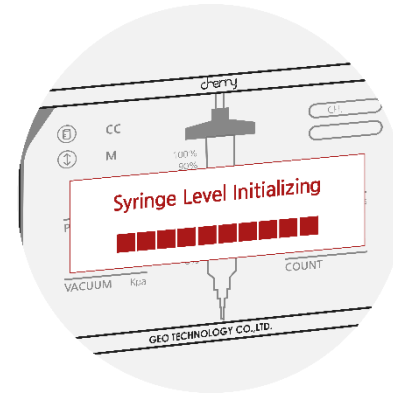
1

Connect Full Syringe



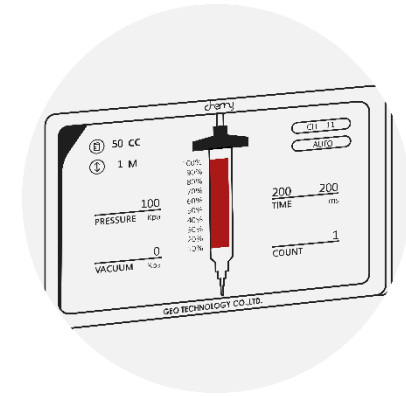
2

Push Auto CTR Button



3

Syringe Level Initializing Complete

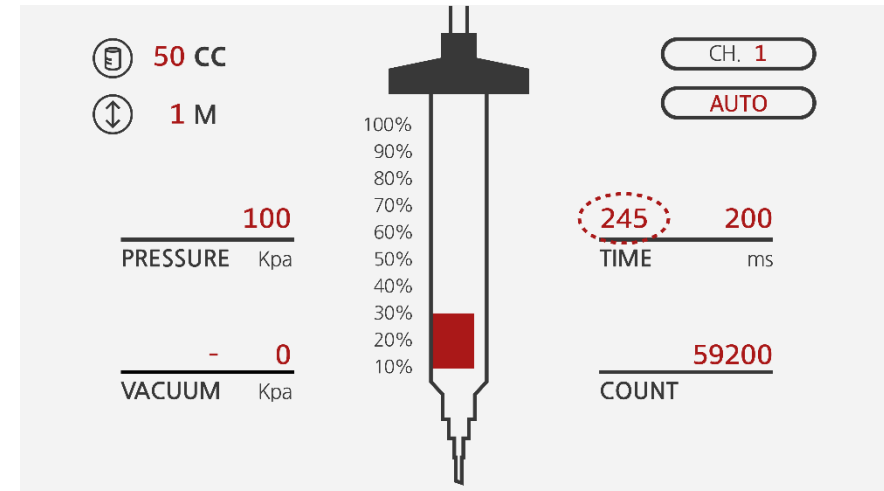
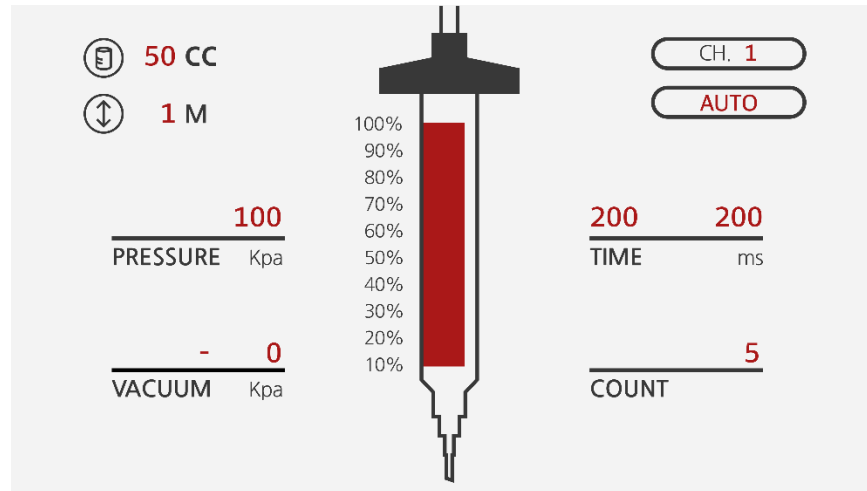


4

When the shot button is pressed, the liquid residual detection function operates by learning the data of the pressure sensor.

When Auto Correction mode is turned on, Syringe Level Initializing detects the remaining liquid amount.

If you replace it with a different syringe, you must press auto mode again to ON to detect the remaining quantity of the syringe.



○ - 보정 된 시간

Cherry's Core Feature is Automatic Correction Function with syringe level detection.
This function compensates for the decrease in discharge volume to make the discharge volume constant. It is because liquid consumption by increasing discharge time.

What Additional Correction Function is?

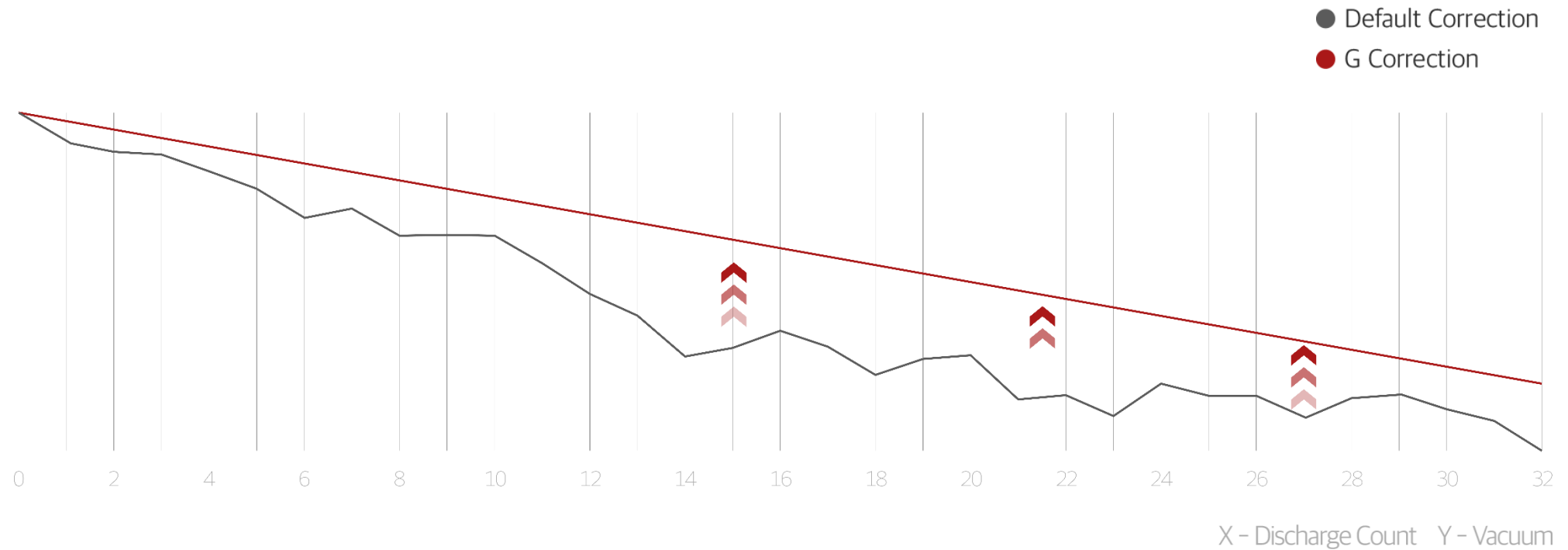
You can customize by considering the characteristics of each liquid through this function.
You can get more accurate and uniform discharge with additional correction function.

Why do you need this?

Because each liquid has different characteristics,
the default correction alone can't respond to all liquids.

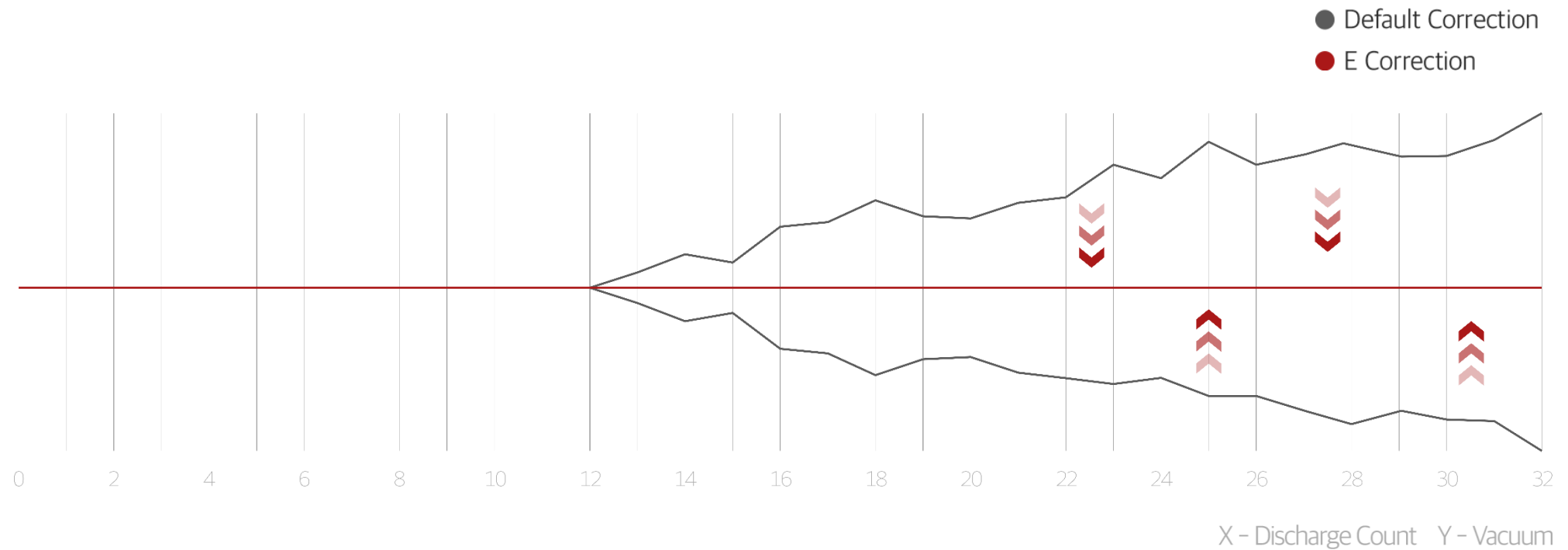
G Correction

G correction is additional vacuum ratio correction mode. When the vacuum is too strong or too small, you can solve the problem by applying this.



E Correction

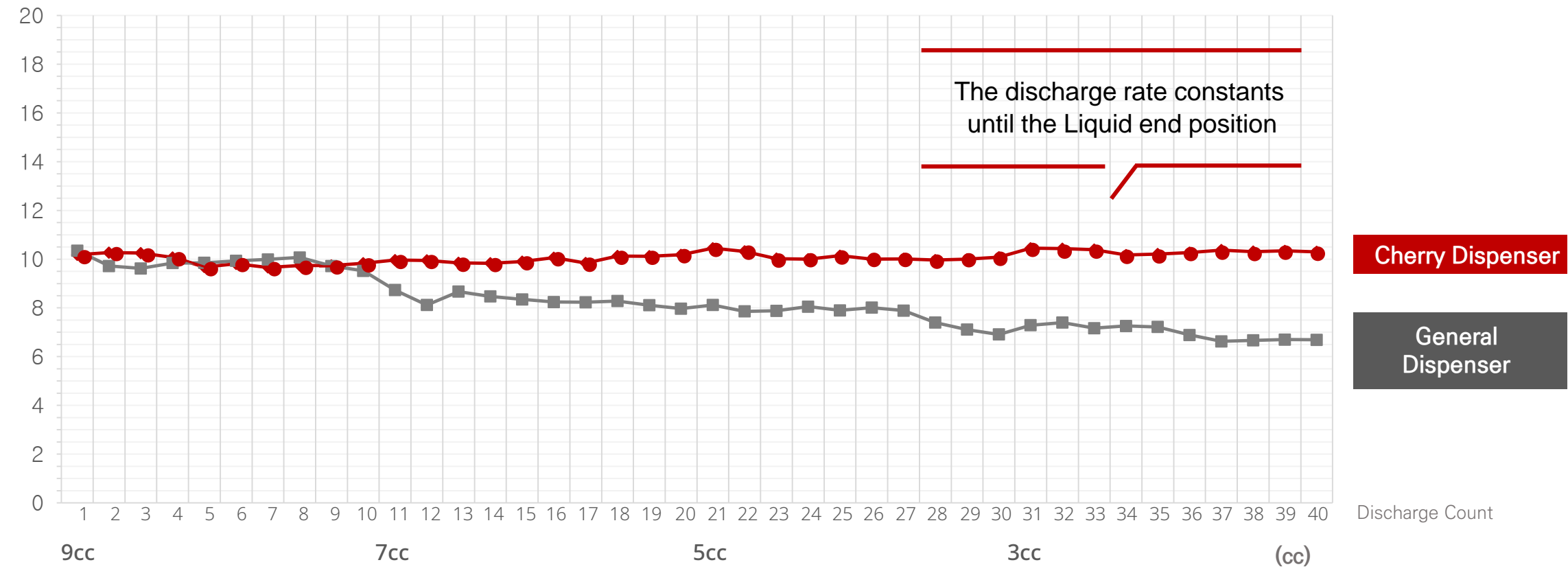
E Correction is an additional time-to-discharge correction mode that can be used when the discharge tends to increase or decrease as it progresses.



Additional Correction Function

Error range
within 1%

Discharge amount (mg)



Cherry
Correction Function

Error range within 1%

General
Dispenser

error range of 5% or more

RED

RED means error. Bad environment for operating 'Cherry'. Such as Low Pressure, Air Empty and etc.



GREEN

When operating 'Cherry' in AUTO mode ON, The jog dial is GREEN.



BLUE

When operating 'Cherry' in AUTO mode OFF, The jog dial is BLUE.



WHITE

When 'Cherry' is standby, The jog dial is WHITE.

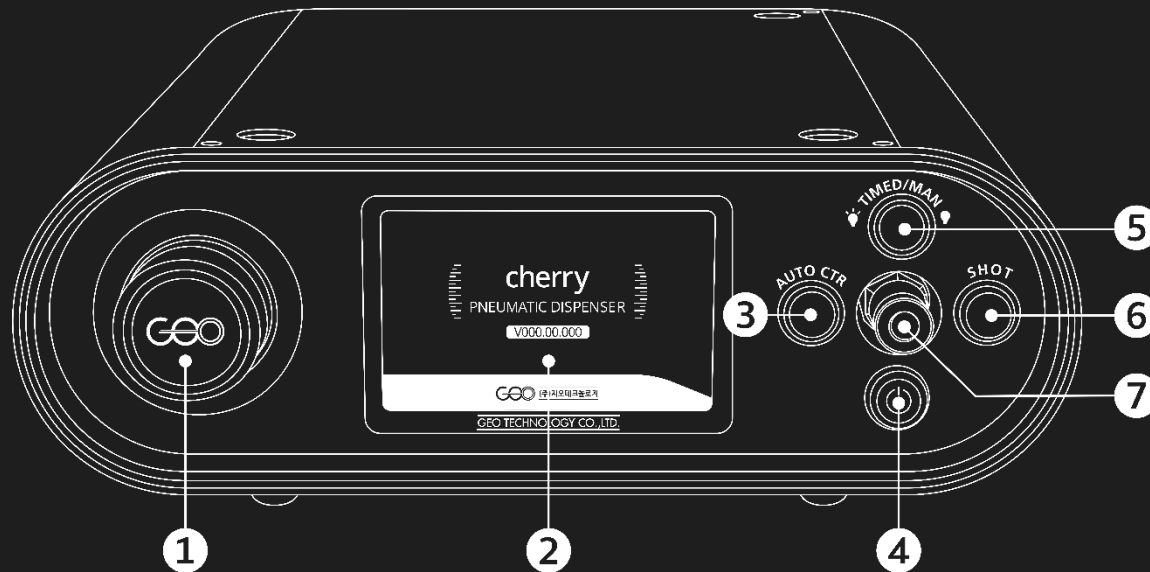


DISPENSER

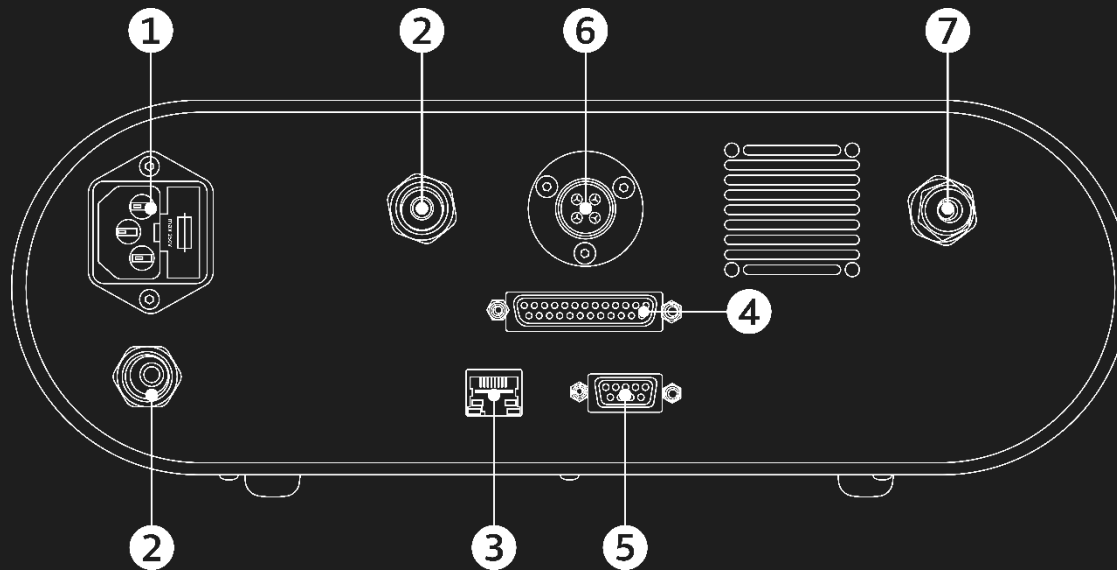
It emits light whenever you press the shot button on the operating screen.



Name	CHERRY BLUE/RED	Vacuum Setting Range	BLUE: -10.0~0.0kpa RED: - 20.0~0.0kpa
Feature	High Precision Pneumatic Correction Dispenser	Display	4" LCD Display(480x272 pixel, TFT Color LCD)
Discharge Method	AIR PULSE TYPE	Data Port	RS-232 Serial Port, D-Sub 25pin, LAN, 4P I/O
Function	Discharge Deviation Correction, Leakage Prevention, Additional Correction(GEOX), Discharge Counter, Residual Liquid Detection	Supply Air Pressure	BLUE: Min.200 ~ Max.300kpa RED: Min.600 ~ Max.700kpa
Mode	AUTO(Correction)/TIMED/MANUAL	Power	AC240V/30W
Discharge Setting Range	BLUE: 5~100kpa(AUTO Mode 10~100kpa) RED: 10~500kpa(AUTO Mode 100~500kpa)	Dimension	BODY: 300W x 100H x 300D TOTAL: 300W x 108H x 322D (Including CONNECTOR)
Time Setting Range	5 ~ 99999ms (AUTO BLUE / RED: Min.100ms)	Weight	About 6kg



- ① SELECT ROTATE/PUSH Button
- ② LCD Display
- ③ AUTO CONTROL Button
- ④ ON/OFF Button
- ⑤ TIMED/MANUAL Button
- ⑥ SHOT Button
- ⑦ Discharge CONNECTOR



- ① POWER(1A FUSE 2ea)
- ② EXHAUST
- ③ LAN Port
- ④ D-Sub 25pin Port
- ⑤ RS-232 9pin Port
- ⑥ 4P I/O Port
- ⑦ Air In Port

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