



DYMIND

*The Integrated Approach
to Innovative Products*

3-Part Auto Hematology Analyzer

DH36Vet

International Sales & Marketing Department

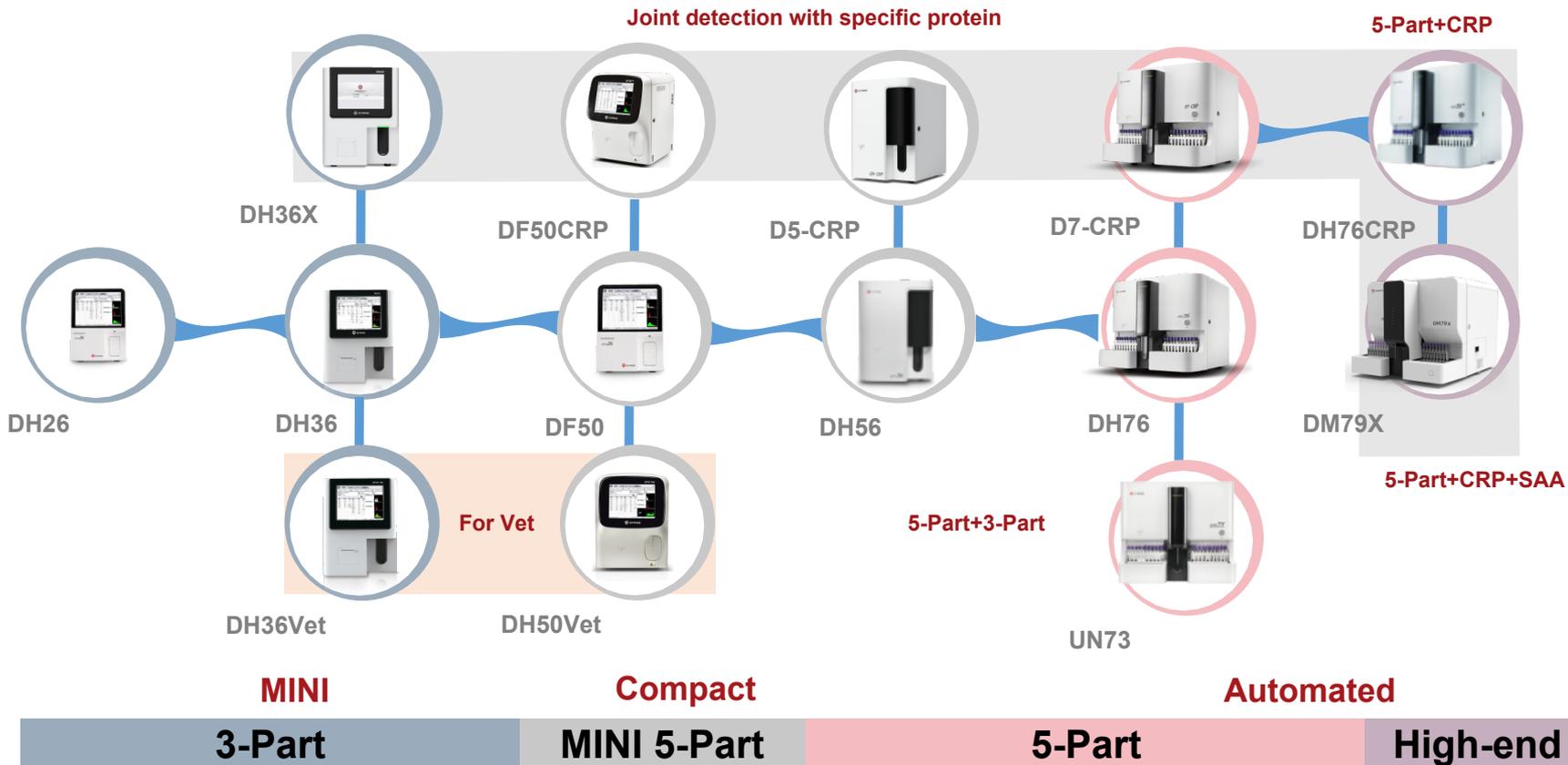


Part 01

01

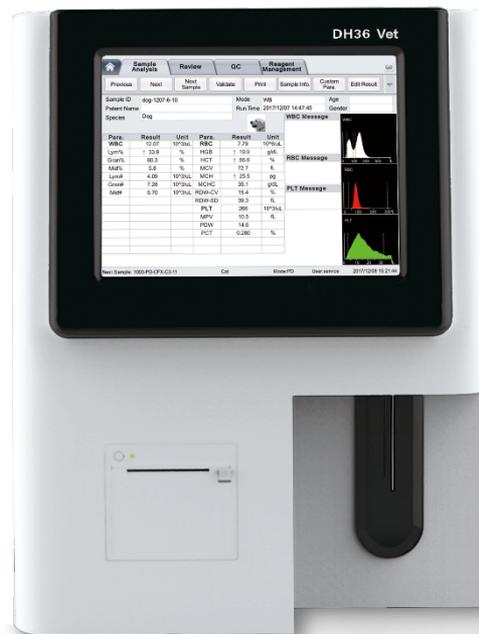
Brief Introduction

++ Hematology Family



DH36Vet

Healthcare for Vet



+ Specifications



- ✓ CBC with 3-Part differentiation, 19 parameters + 3 histograms
- ✓ 10.4 inches TFT touch screen
- ✓ Up to 35 tests per hour
- ✓ **Species:** cat, dog and rabbit ,cow, horse and sheep.

<Optional> 11 Researchable species(Mouse, Rat, Gerbil, Guinea pig, Hamsters, Totoro, Hedgehog, Ferret, Monkey, Pig, Camel)

20 self-programmed animals

- ✓ Large storage capacity of 50,000 results with histograms
- ✓ Build-in thermal printer and USB external printers
- ✓ Build-in lyse position with low consumption
- ✓ 5 types of languages are available

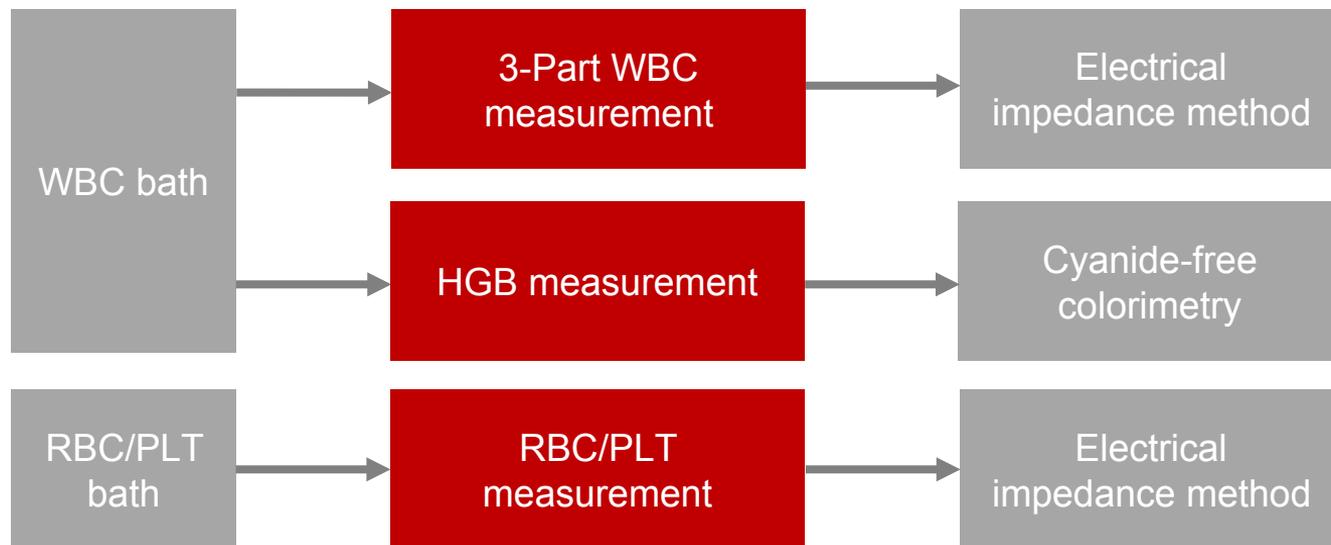




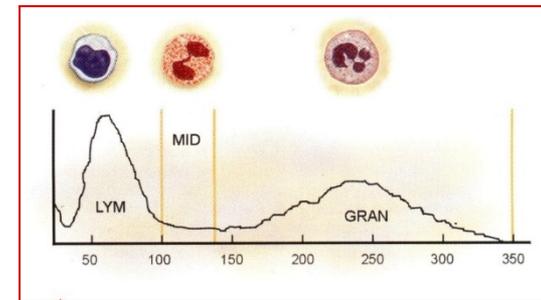
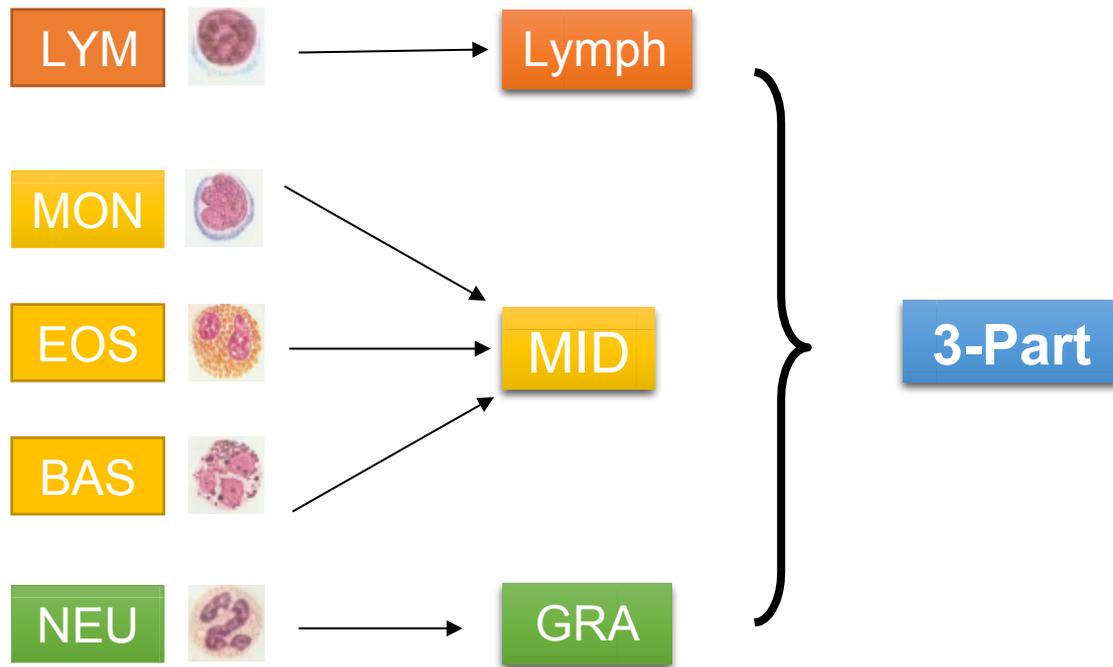
Part 02

02

Principles



3- Part WBC Measurement





Part 03

03

Market

Target Market

✓ Medium size veterinary hospitals



✓ 30-40 samples / day

✓ Small size veterinary hospitals



✓ Limited budget

✓ Small veterinary clinics



✓ Limited Space

✓ Veterinary labs



✓ Easy to Operate



Part 04

04

Advantages

- ▶ **4.1 Reliable Performance**
- ▶ **4.2 Cost-effective Innovation**
- ▶ **4.3 Humanized Design**

Reportable Parameters



RBC
MCV
HCT
RDW-SD
RDW-CV
HGB
MCH
MCHC

8

PLT
MPV
PCT
PDW

4

WBC
Lym#
Lym%
Mid#
Mid%
Gran#
Gran%

7

19 reportable parameters

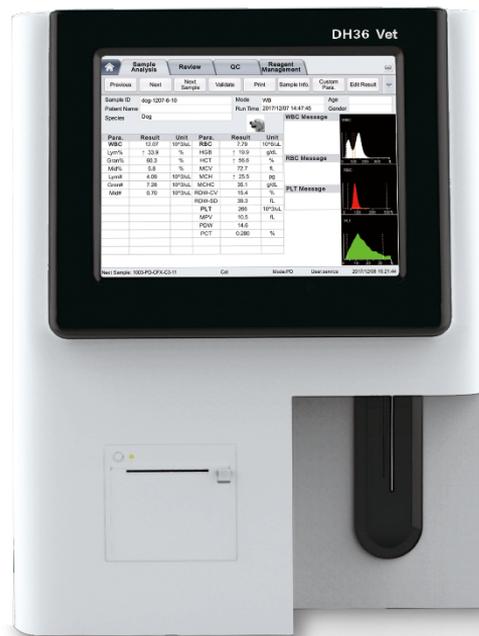
Wider Linearity

✓ Wider linearity range contributes to more accurate results

Parameter	Linearity
WBC	0.00-200×10 ⁹ /L
RBC	0.00-17.00×10 ¹² /L
HGB	0-250g/L
PLT	0-3000×10 ⁹ /L
HCT	0.0-67%

Large data storage capacity

Up to 50,000 records



Multiple Interfaces



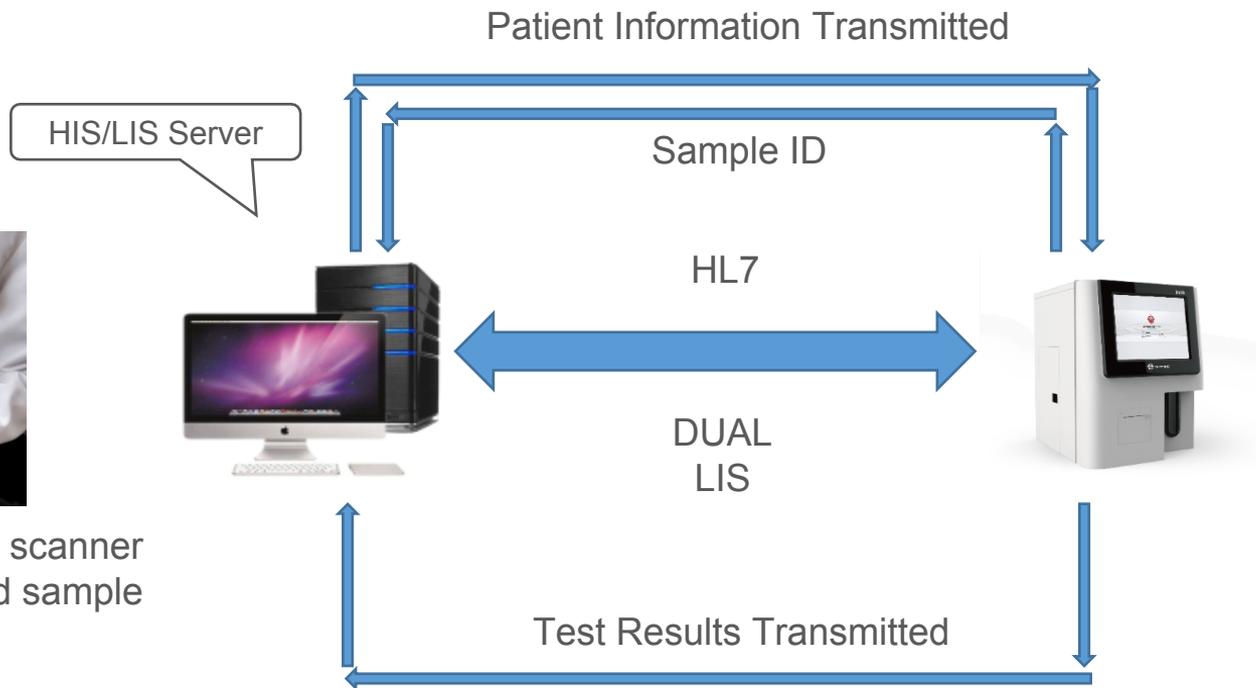
4 USB ports, 1 LAN port
Barcode scanner
Key board, Mouse
External printers
(Built- in thermal printer)
Bi-directional LIS/HIS

Convenient data communication

+ Barcode Reading & Bi-directional LIS



- ✓ Optional USB barcode scanner to input sample ID and sample info.



Key Components



Valve: SMC (Japan)

Pump: KNF (Germany)

Needle: Unimed (Switzerland)

Tubing: SAINT-GOBAIN (France)

Connector: Value (USA)



Part 04

04

Advantages

- ▶ 4.1 Reliable Performance
- ▶ 4.2 **Cost-effective Innovation**
- ▶ 4.3 Humanized Design

+ Reagent Cost Saving

- ✓ Small package reagents (Dillution & Lyse)

Small package can save the waste for reagent out of open life

Small size reagents

We also support custom size (big or small) as your truly need



Micro Sample Aspiration



Mode	Whole Blood	Prediluted
Sample	17 μ L	20 μ L

Micro sample aspiration is friendly to small animals.



35 t/h
Throughput



Part 04

04

Advantages

- ▶ **4.1 Reliable Performance**
- ▶ **4.2 Cost-effective Innovation**
- ▶ **4.3 Humanized Design**

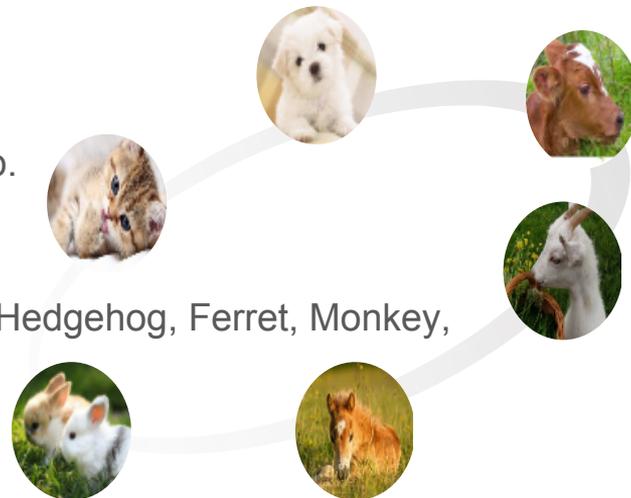
+ Multiple Test Modes

Supporting cat, dog and rabbit ,cow, horse and sheep.

+ 11 pre-defined programs

Mouse, Rat, Gerbil, Guinea pig, Hamsters, Totoro, Hedgehog, Ferret, Monkey, Pig, Camel.

+ 20 self-programmed animals



										
Mouse	Rat	Gerbil	Guinea Pig	Hamsters	Totoro Chinchilla	Hedgehog	Ferret	Monkey	pig	Camel

✓ Three steps get printing results

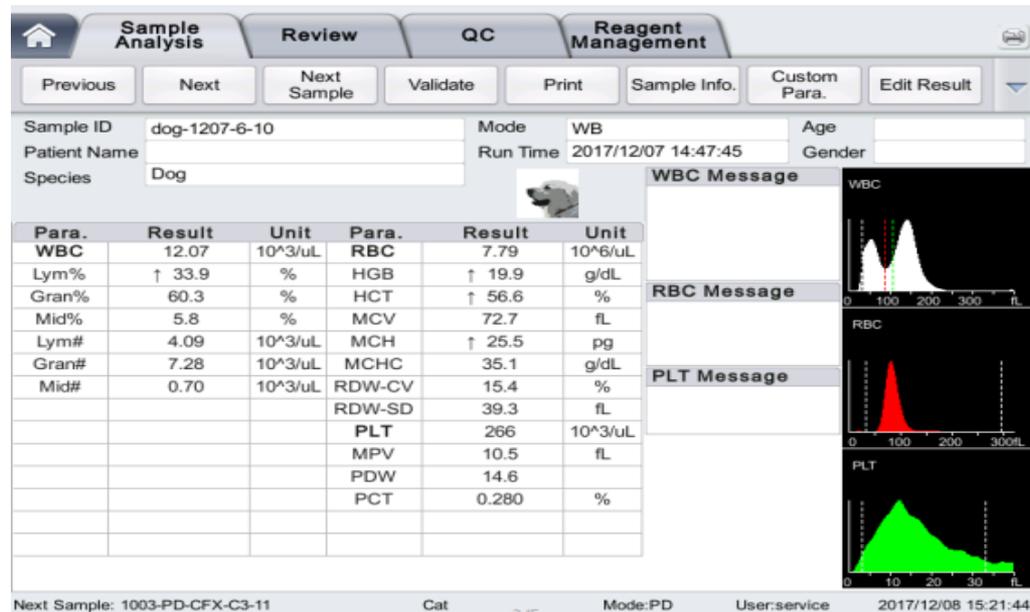
Sample Analysis



Sample Aspiration



Print Test Result

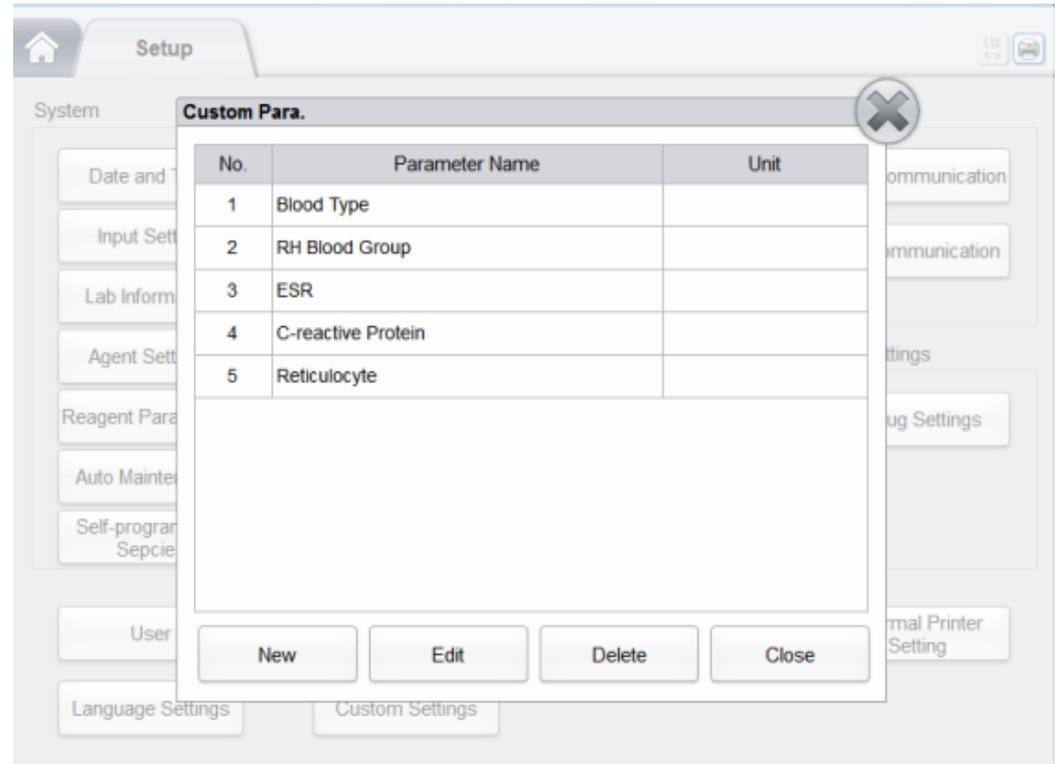


The screenshot displays a software interface for sample analysis. At the top, there are tabs for 'Sample Analysis', 'Review', 'QC', and 'Reagent Management'. Below these are navigation buttons: 'Previous', 'Next', 'Next Sample', 'Validate', 'Print', 'Sample Info.', 'Custom Para.', and 'Edit Result'. The main area shows patient information: Sample ID 'dog-1207-6-10', Patient Name 'Dog', Species 'Dog', Mode 'WB', Run Time '2017/12/07 14:47:45', Age, and Gender. A table of results is shown below, with columns for Parameter, Result, and Unit. The results include WBC (12.07), Lym% (33.9), Gran% (60.3), Mid% (5.8), Lym# (4.09), Gran# (7.28), Mid# (0.70), RBC (7.79), HGB (19.9), HCT (56.6), MCV (72.7), MCH (25.5), MCHC (35.1), RDW-CV (15.4), RDW-SD (39.3), PLT (266), MPV (10.5), PDW (14.6), and PCT (0.280). To the right of the table are three histograms: 'WBC Message' (white histogram), 'RBC Message' (red histogram), and 'PLT Message' (green histogram). The bottom status bar shows 'Next Sample: 1003-PD-CFX-C3-11', 'Cat', 'Mode:PD', 'User:service', and '2017/12/08 15:21:44'.

Para.	Result	Unit	Para.	Result	Unit
WBC	12.07	10 ³ /uL	RBC	7.79	10 ⁶ /uL
Lym%	↑ 33.9	%	HGB	↑ 19.9	g/dL
Gran%	60.3	%	HCT	↑ 56.6	%
Mid%	5.8	%	MCV	72.7	fL
Lym#	4.09	10 ³ /uL	MCH	↑ 25.5	pg
Gran#	7.28	10 ³ /uL	MCHC	35.1	g/dL
Mid#	0.70	10 ³ /uL	RDW-CV	15.4	%
			RDW-SD	39.3	fL
			PLT	266	10 ³ /uL
			MPV	10.5	fL
			PDW	14.6	
			PCT	0.280	%

++ Custom Parameters

- ✓ Custom parameters are available



System

Setup

Custom Para.

No.	Parameter Name	Unit
1	Blood Type	
2	RH Blood Group	
3	ESR	
4	C-reactive Protein	
5	Reticulocyte	

New Edit Delete Close

Language Settings Custom Settings

+ Multiple Printout Templates



- ✓ Multiple printout templates are available

A screenshot of a "Print Settings" dialog box. The dialog is organized into several sections: "Printer" (Printer driver: Thermal Printer, Printer: Thermal Printer, Printer Resolution: High Resolution), "Report Settings" (Report Title: Hematology Analysis Report, Copies: 1), "Format Settings" (Report Type: Report, Paper Type: Thermal, Template: Landscape-Parameter-Hist, Paper size: 562*96 mm), "Auto Settings" (Autoprint: Off, Auto print after validation, Auto validate when printing, Print after validation), and "Printing Options" (Print Flag, Print Ref. Range, Print Suspicious Flag, Print Ref. Range Flags, Print result edited flags, Update blank test time before be printed, Print as black and white(Report)). At the bottom, there are buttons for "Refresh", "Delete", "Import", "Export", "QC Graph Settings", "Apply", "OK", and "Cancel".

Print Settings

Printer

Printer driver: Thermal Printer

Printer: Thermal Printer

Printer Resolution: High Resolution

Report Settings

Report Title: Hematology Analysis Report

Copies: 1

Format Settings

Report Type: Report

Paper Type: Thermal

Template: Landscape-Parameter-Hist

Paper size: 562*96 mm

Refresh Import Export Delete

Auto Settings

Autoprint: On Off

Auto print after validation

Auto validate when printing

Print after validation

Printing Options

Print Flag

Print Ref. Range

Print Suspicious Flag

Print Ref. Range Flags

Print result edited flags

Update blank test time before be printed

Print as black and white(Report)

QC Graph Settings

Apply OK Cancel

10.4 inches touch screen, easy to operate



Error Message

Error Description

0xb2004001 : Background abnormal.

Remove Error

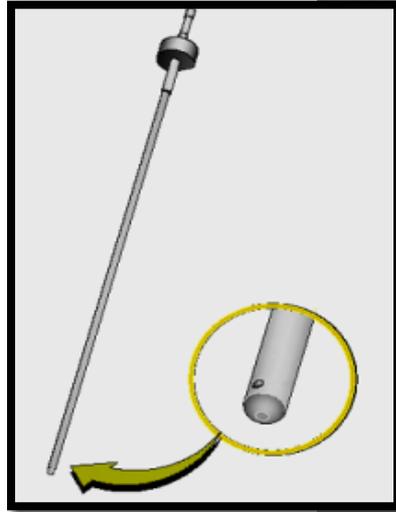
Close

Causes of the error may be:

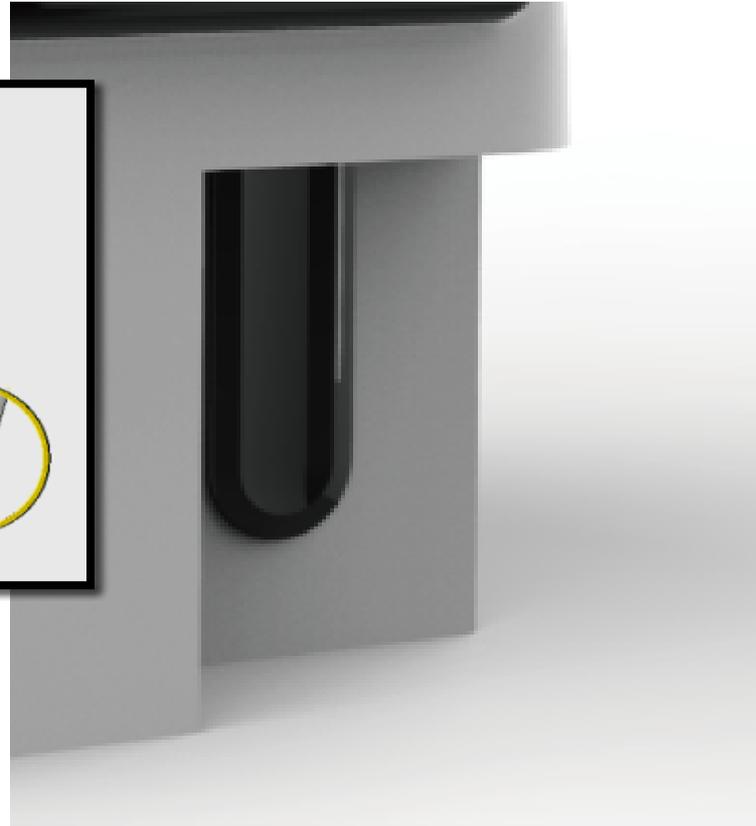
1. There are air leaks or liquid leaks in the tubing.
2. Count bath dirty.
3. There are air leaks or liquid leaks in diluent syringe.

One button to troubleshoot problem.
(Intelligent Fault Diagnosis System)

+ Sample Probe Anti-block Design



Bottom is close,
aspiration hole is on left side.





Part 05

05

Benefits

+ Benefits



Reliable Performance

Avoid unnecessary re-inspection and offer accurate diagnostic reports.

Cost-effective Design

Small package can save the waste for reagent out of open life.

Humanized Innovation

Easy and adaptive for different operators and save labor.





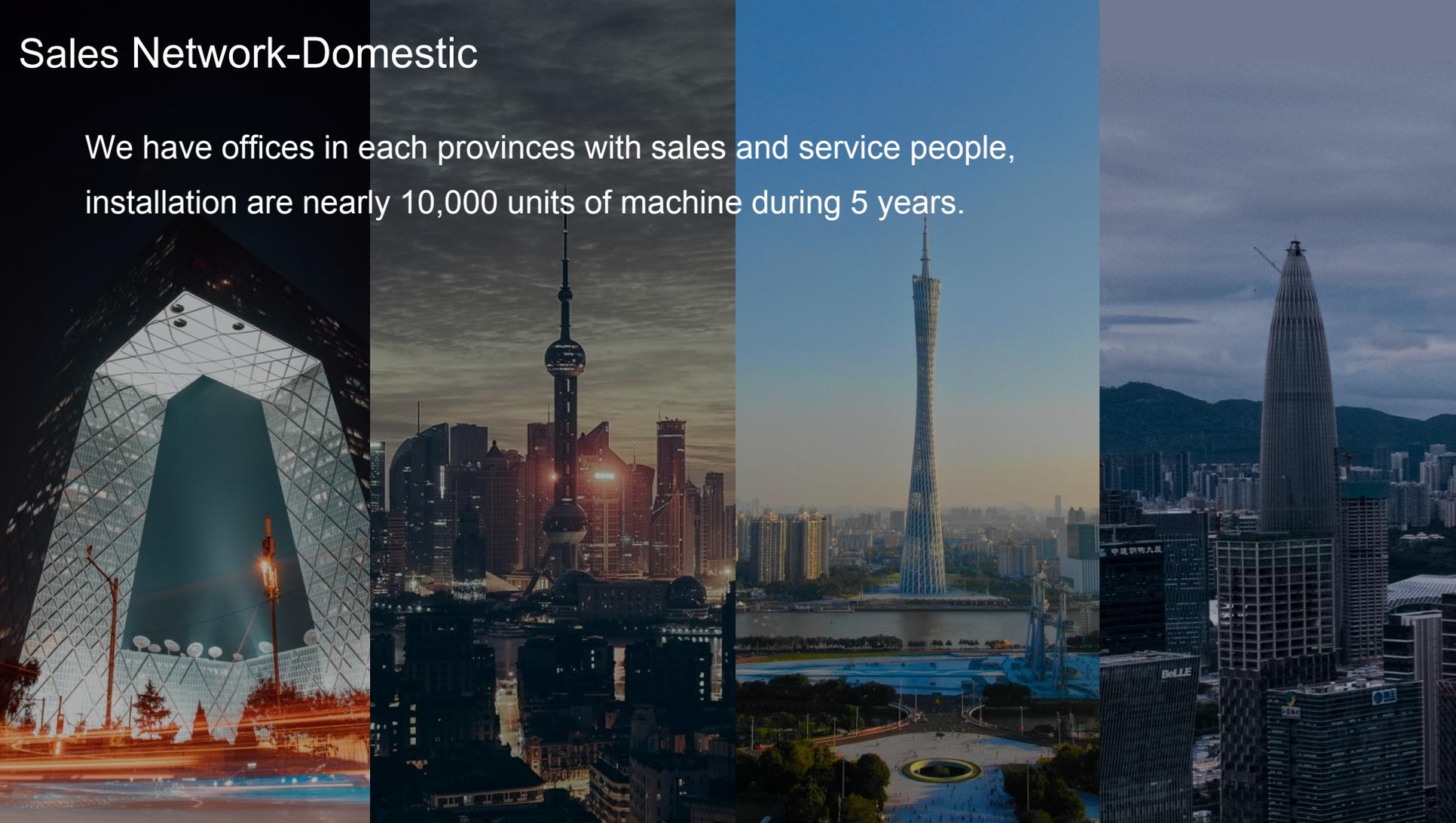
Part 06

06

Sales & Marketing

Sales Network-Domestic

We have offices in each provinces with sales and service people, installation are nearly 10,000 units of machine during 5 years.



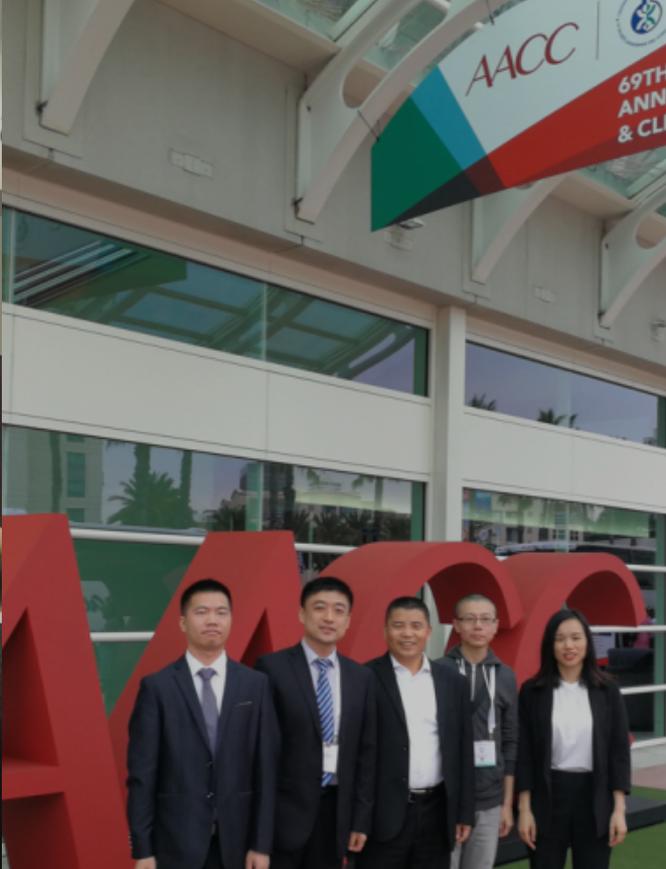
Sales Network-International

Sold to over 100 countries during 3 years.
Installations are nearly 10,000 units.

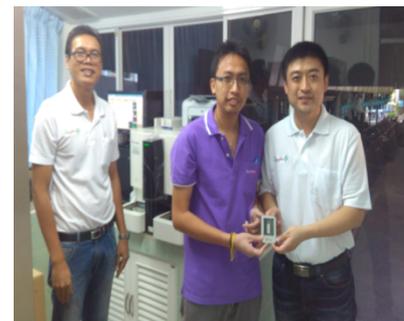
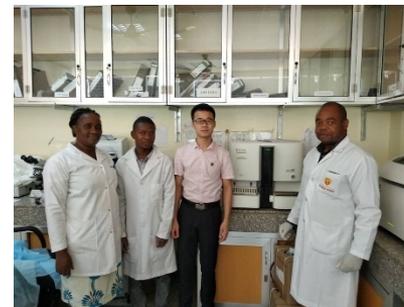


Global Marketing

DYMIND Profession



+ Sales & Marketing





DYMIND

*The Integrated Approach
to Innovative Products*

THANK YOU

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