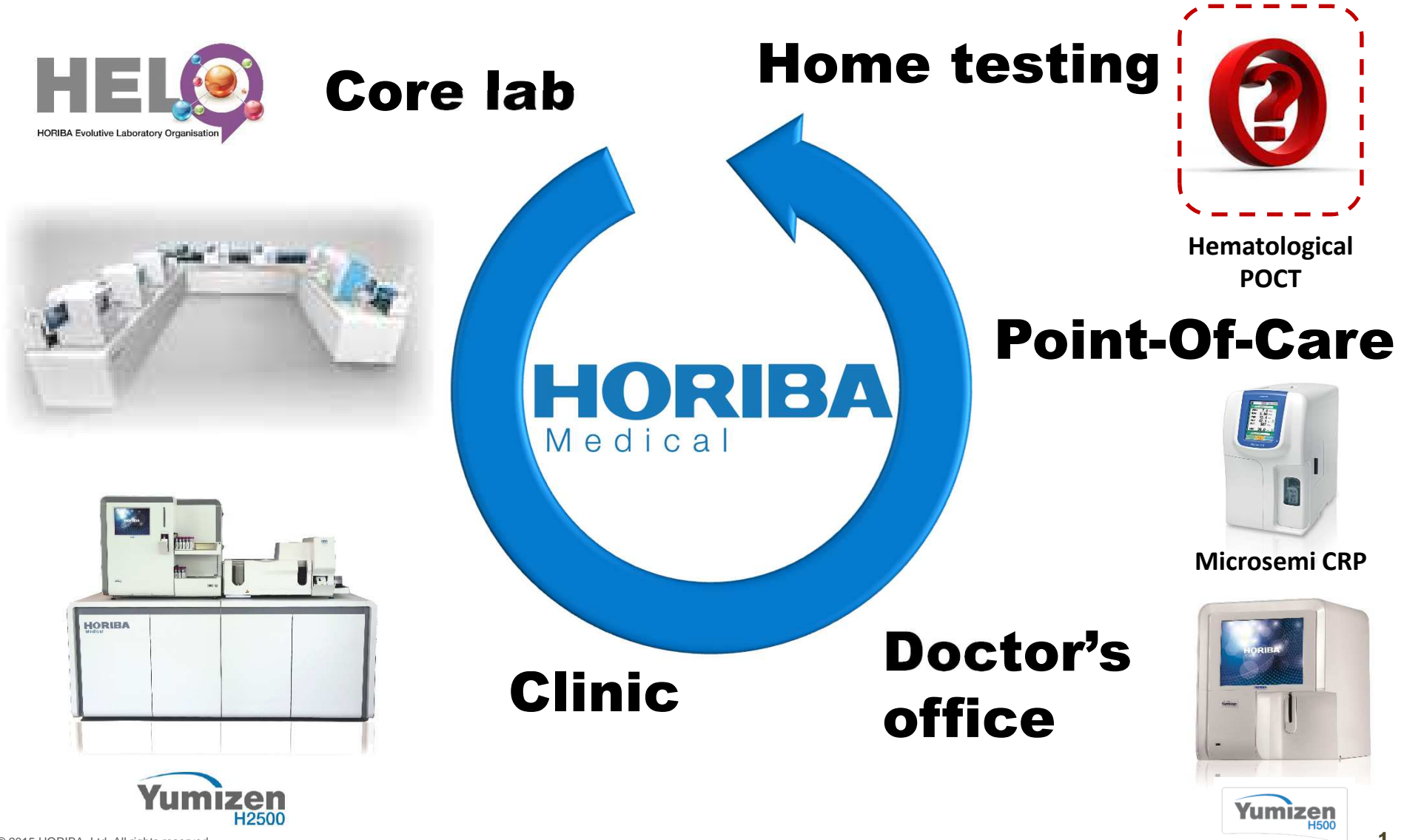


IVD Evolution market





IVD Evolution market

Need of decentralized analysis:

- **Near-patient testing**
- **Problems with sample transportation (costs, fragility)**
- **Better monitoring with health costs reduction**

Home testing



Hematological
POCT

Point-Of-Care



Microsemi CRP



Yumizen
H500

Doctor's office

Towards an hematological POCT...

CEA/ HORIBA Joint Lab project

Our conception philosophy: POCT based on simple and smart technologies to achieve core lab instrument performances

Today

The 'Today' section shows a large, complex hematology analyzer, the Yumizen H500. It features a large screen and a sample slot. Below the main image is a diagram of the internal flow cytometry detection system, showing a central tube with various sensors and components labeled 1, 2, and 3. To the right of the main image is a photograph of the internal hardware, showing various pumps, valves, and tubes, with components labeled 1, 2, 3, and 4.

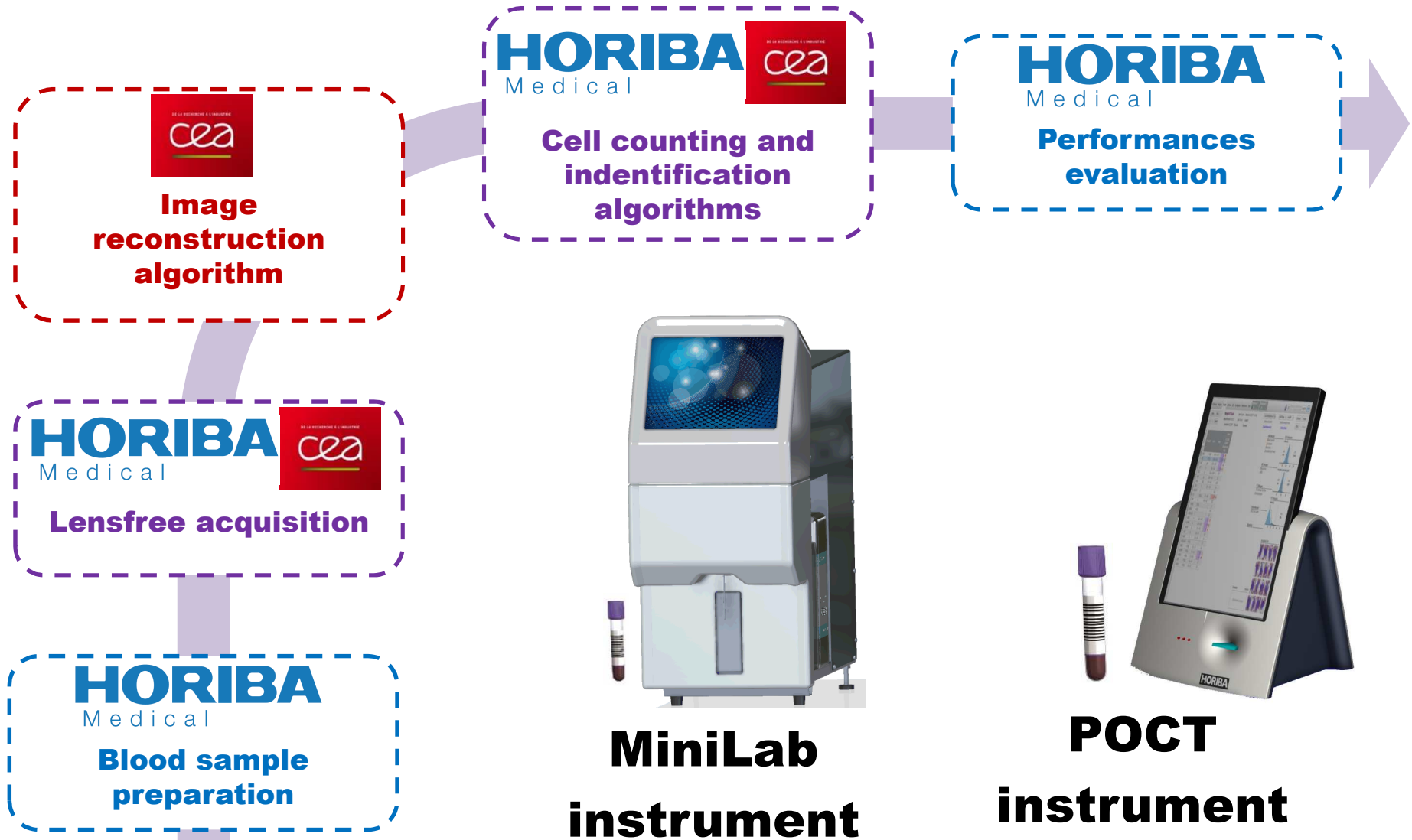


The 'Tomorrow' section shows a more compact and simpler device. It features a small screen and a sample slot. Below the main image is a diagram of the lensfree imaging system, showing a hand holding a small device with a lens, and a diagram of the LED Laser, Cells, and CMOS Sensor. To the right of the main image is a photograph of the internal hardware, showing a microfluidic system with various components and a digital display showing '2500 0.185'.

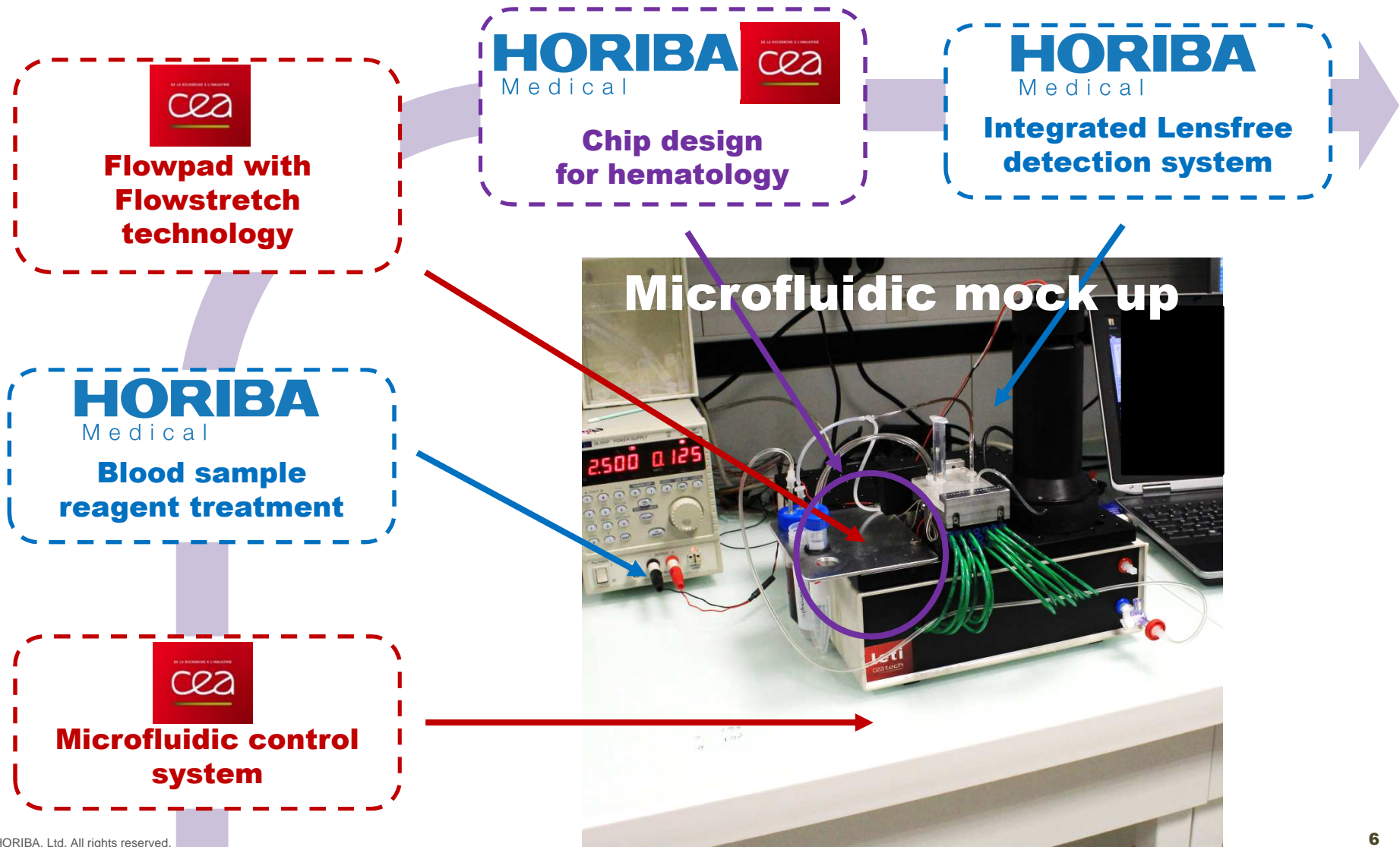
Tomorrow

The 'Tomorrow' section shows a compact, handheld device with a large screen displaying a graph. Below the device is a thumbs-up icon in a green circle. To the right of the thumbs-up icon are the words 'Performances', 'Simplicity', and 'Robustness' stacked vertically.

CEA/HORIBA Lensfree developments



CEA/HORIBA Microfluidic developments



OUR VISION

