• Train Successful Intelligence
• Bring Up Science & Technology Accomplishment
• Cultivate Technology Talents
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Brand Introduction of Abilix

Abilix, as the leading educational robotics company, provides not only various educational robots but also systematic solutions that meet the requirement of STEAM education. Since 1996, Abilix has obtained a total of more than 600 patented technologies, independently developed over 120 types of educational robots, written more than 100 sets of robot teaching materials (in 11 languages), which have been exported to over 50 countries.

Abilix Covers 2B2C All-channel

School Educational Robot Lab

Educational Robot Training Center - Abilix Home

Household Products
Abilix Labs are designed for schools and universities. Based on brick series, modular series, mobile series, flying series and humanoid series, equipped with latest curriculum contents, teaching mode and assessment scheme, Abilix Labs are now systematical solutions to adolescents’ creative ability cultivation.

- 50+ Countries and Regions
- 40,000+ Schools and Educational Institutes
- 1,200+ School Robotics Labs
Abilix Home

Setting educational robot as platform, Abilix is home for students to train success ability. After launching school robotic laboratories, Abilix home, the community-oriented out-school robotic activity center is launched for more students to participate in Abilix’s success ability training curriculum, exciting robot projects and contests.

In 2016 Abilix introduced 4 series and 9 products to expand its household market and now possesses all-round educational robot production line. Currently, brick series Krypton, mobile series Oculus, flying series Iris, humanoid series Everest and Modular series Boya are available for home users.

- 300+ Abilix home centers worldwide
Abilix Educational Robot
Brick Series

Krypton

Six Faces Attachment
Infinite Creation

The innovative six faces attachable system enables infinite extension in X, Y and Z dimensions. The mechanical creative space is abundant.

Latest Program
Operation Interaction

The innovative interactions like touch screen, voice recognition and touch recognition is fast in action, convenient in running and clear in command execution. It is a simpler human-robot interaction.

Powerful Brain

Krypton is featured by its strong calculation ability and powerful voice & image recognition abilities.
Abilix Educational Robot
Brick Series

**Krypton**

**Krypton 0**
- Brick Types: 47
- Components: 409 pieces
- Sensors: 4 from 3 kinds, Collision, Grayscale, Position
- Actuators: 3 from 2 kinds, Small Motor, Speaker
- Package Size: 228x139.5x123.5mm

**Krypton 2**
- Brick Types: 53
- Components: 745 pieces
- Sensors: 7 from 5 kinds, Position, Ultrasonic, Grayscale, Collision, Color
- Actuators: 3 from 2 kinds, Small Motor, Speaker
- Package Size: 390x262x142mm

**Krypton 4**
- Brick Types: 53
- Components: 943 pieces
- Sensors: 14 from 8 kinds, Ultrasonic, Color, Gyroscope, Touch, Compass, Grayscale, Microphone, Position
- Actuators: 7 from 4 kinds, Big Motor, Small Motor, Speaker, LED Light
- Package Size: 445x295x167mm

**Krypton 6**
- Brick Types: 53
- Components: 1152 pieces
- Sensors: 24 from 9 kinds, Ultrasonic, Color, Gyroscope, Touch, Compass, Grayscale, Microphone, Position, Camera
- Actuators: 8 from 4 kinds, Big Motor, Small Motor, Speaker, LED Light
- Package Size: 471x330x171mm

**Krypton 8**
- Brick Types: 53
- Components: 1550 pieces
- Sensors: 33 from 9 kinds, Ultrasonic, Color, Gyroscope, Touch, Compass, Grayscale, Microphone, Position, Camera
- Actuators: 10 from 4 kinds, Big Motor, Small Motor, Speaker, LED Light
- Package Size: 536x368x190mm
Abilix Educational Robot

Creative Brick Series

Six Faces Attachable System:
The brick can be built on six sides. This can fully unlock students’ imagination and creativity.

Advanced Programming Software:
Abilix develops our own flowchart programming software VJC 4.2/4.3 for Creative Brick Series, along with teacher’s and student’s books.

Powerful Brain:
Creative Brick Series is featured by its strong calculation ability and powerful voice & image recognition abilities.

Class Teaching Products

C1-T
Creative Brick - Transmission Kit
- Explore common structures
- Understand simple machines & generation of forces
- Cultivate students’ interests on hands-on activities and creative designing

C1-X
Creative Brick - Dynamics Kit
- Explore power transmission
- Working principles of transmission of gears, gear box and rack, worm and worm gear, pulley, screw, belt, and crank link
Class Teaching Products

C1-P
Creative Brick - Intelligent Control Kit
• Basic structure of simple robots
• Functions of various sensors
• Flow chart, design and write programs
• To solve practical problems with creative solutions

C1-S
Creative Brick - STEM Kit
• Basic STEM-based curriculum and multimedia teaching materials
• Teachers can have an effective and systematic class experience

Contest Products

C203
WER - Basic Robot Kit
• Free-build robot car, program and test own solution in WER contest

C202
WER - Standard Robot Kit
• Free-build robot car, program and test own solution in WER contest
Abilix Educational Robot

Modular Series

Uniform Power and Non-power Joints:
As a multiple-DOF humanoid robot, it can be designed into different shapes or some robotic "creatures". Users can demonstrate their infinite creativity.

Flexible Omni-directional Ball:
With its omni-directional ball design and solid metal screws, it can be shaped into varieties of postures.

Powerful Brain:
Modular Series is featured by its strong calculation ability and powerful voice & image recognition abilities.

H1-B
Modular - Basic Kit
- Screw-free building
- 3D action editor
- Program can be automatically converted between flowchart and C languages

H1-S
Modular - Standard Kit
- Modular design; reconfigurable projects
- Both flowchart and C language programming supported; action editor; 3D construction simulator
- One click switching between three programming environments
Abilix Educational Robot

School Krypton Brick Series

Six Faces Attachable System:
The brick can be built on six sides. This can provide kids with plenty space for mechanical creation to make various trials.

Various Programming Language:
School Krypton supports Flowchart, Scratch, C language and Python programming, which makes the programming more scientific and understandable, which makes the programming training more scientific and understandable.

Various Sensors:
Infrared Ray, Magneto, Light, Temperature, Humidity, Flame, Angle, Electromagnet added.

Power Brain:
School Krypton boasts AI module interface for robot learning and recognition.

Class Teaching Products

SK209

School Krypton Basic Kit

- This Kit is designed for beginners
- Flowchart, Scratch, C language and Python programming supported
- Core parts of the Kit are 2 motors, 1 controller and 1 integrated sensor block, etc.

SK509

School Krypton Standard Kit

- 1.54-inch color touch screen
- Built-in Bluetooth, speaker, microphone, gyroscope
- Flowchart, Scratch, C language and Python programming supported
- Core parts of the Kit are 4 motors, 1 controller and 19 sensors, etc.
Contest Products

**SK201**

WER Brick Educational Robot Contest (4+3) Standard Kit
- Built-in acoustic intensity detection and speaker
- Flowchart, Scratch, C language and Python programming supported
- Core parts of the Kit are 3 motors, 1 controller and 1 integrated sensor block, etc.

**SK901**

WER Brick Educational Robot Contest (Pro) Standard Kit
- Programs can be written and conducted directly on the 3.5-inch color touch screen
- Built-in Bluetooth, speaker, microphone, gyroscope
- Flowchart, Scratch, C language and Python programming supported
- Core parts of the Kit are 9 motors, 1 controller and 26 sensors, etc.

**SK501**

WER Brick Educational Robot Contest (Pro) Basic Kit
- 1.54-inch color touch screen
- Built-in Bluetooth, speaker, microphone, gyroscope
- Flowchart, Scratch, C language and Python programming supported
- Core parts of the Kit are 4 motors, 1 controller and 10 sensors, etc.

**SK201-T2020**

WER Task Kit
- Quick-assembling, Interlocking structure, No need screws
- Instructions for layout and assembling the tasks
Software

Four-level Programming System

Level 1:
Meet Abilix Robot

Level 2:
Elementary Project Programming

Level 3:
Abilix Chart / Scratch Programming

Level 4:
C Language / Python Programming

100+ Sets of Robotics Textbooks

Curriculum Features:
• Project Guidance from Easy to Difficult
• Training Trial and Error Learning
• Training the Abilities of Innovation, Analysis and Practice
• Training the Abilities to Understand, Be Close to and Apply the Technology

The Mode of Classroom Organization

Teaching Materials
Abilix is the Exclusive Sponsor of WER

WER (World Educational Robot Contest), is an international robot contest for pre-teens and teens aged 3 to 18. Annually, more than 500,000 contestants from 50 countries participate in WER contests. With the expansion of WER’s influence, winners of WER World Championships will bring great honors to their countries, schools as well as to themselves. They will be awarded with scholarship and may even be directly admitted to elite universities or their achievement may be deemed as crucial basis for university admission.

Abilix Educational Robot is the exclusive sponsor and only appointed contest equipment sponsor for WER.