



- 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.

over **600** patents

11 language versions

over **1,200** school robotic laboratories

over **50** countries and regions

over **100** series of robotic teaching materials

over **1,000** universities

over **300** Abilix homes

over **40,000** schools and institutes

over **3,000** counters and Abilix stores



Abilix Covers 2B2C All-channel

School Educational Robot Lab



Educational Robot Training Center
- Abilix Home



Household Products



Abilix School Lab Solution

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.



- 300+ Abilix home centers worldwide

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.



Abilix Store & Kiosk

Abilix Educational Robot
Brick Series

Krypton



reddot award 2017
winner



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 eaction, 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: 228X339.5X123.5mm



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 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



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



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

Projects
29

Components
421

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

Projects
19

Components
366

Motors
2

Remote Controller
1

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



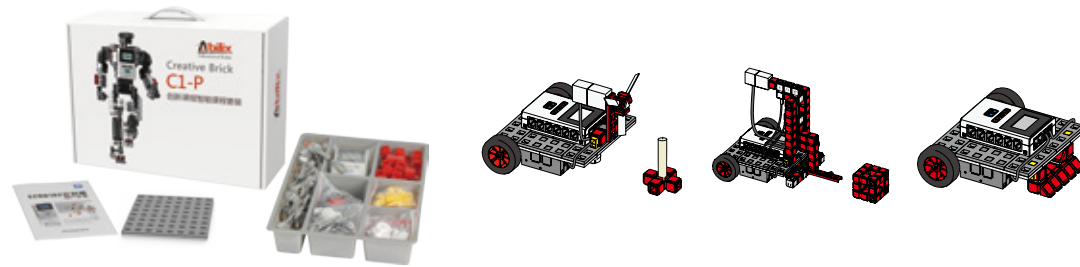
Class Teaching Products

C1-P

Projects 28	Components 244	Sensors 12	Motors 3	Controller 1
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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

Projects 18	Components 456	Sensors 16	Motors 4	Controller 1
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Creative Brick - STEM Kit

- Basic STEM-based curriculum and multimedia teaching materials
- Teachers can have an effective and systematic class experience



Contest Products

C203

Components 343	Sensors 5	Motors 3	Controller 1
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WER - Basic Robot Kit

- Free-build robot car, program and test own solution in WER contest



C202

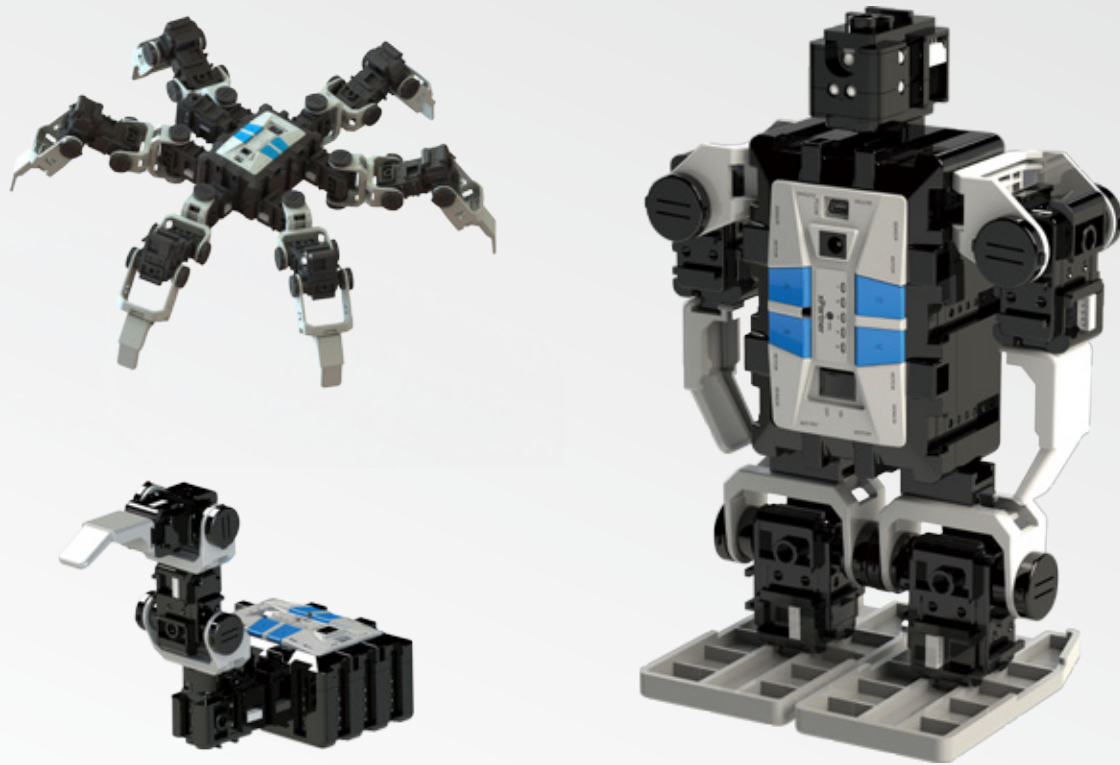
Components 338	Sensors 5	Motors 3	Controller 1
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WER - Standard Robot Kit

- 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

Integrated Sensor
1

Servo Motors
4

Controller
1

Modular - Basic Kit

- Screw-free building
- 3D action editor
- Program can be automatically converted between flowchart and C languages



H1-S

Integrated Sensor
1

Servo Motors
18

Controller
1

Remote Controller
1

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 of 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

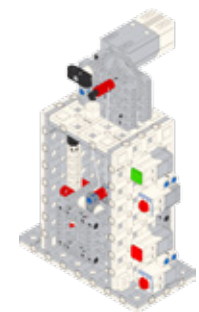
Sensors
9

Motors
2

Controller
1

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

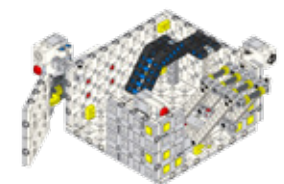
Sensors
19

Motors
4

Controller
1

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

Integrated Grayscale Sensor
1

Motors
3

Controller
1

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

Sensor
26

Motors
9

Controller
1

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

Sensor
10

Motors
4

Controller
1

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



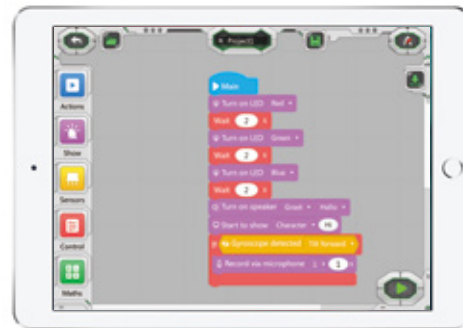
Level 1:
Meet Abilix Robot



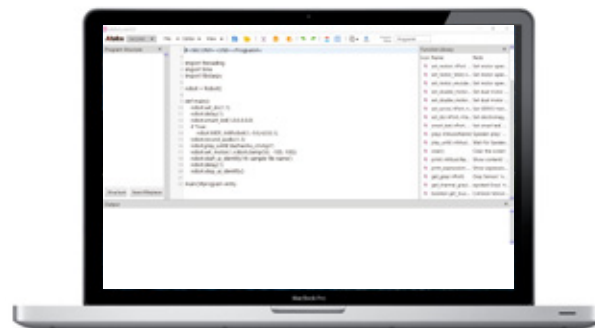
Level 2:
Elementary Project Programming



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



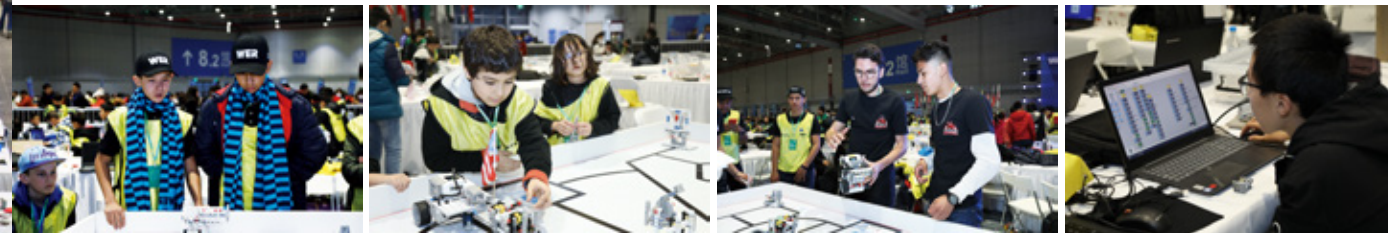
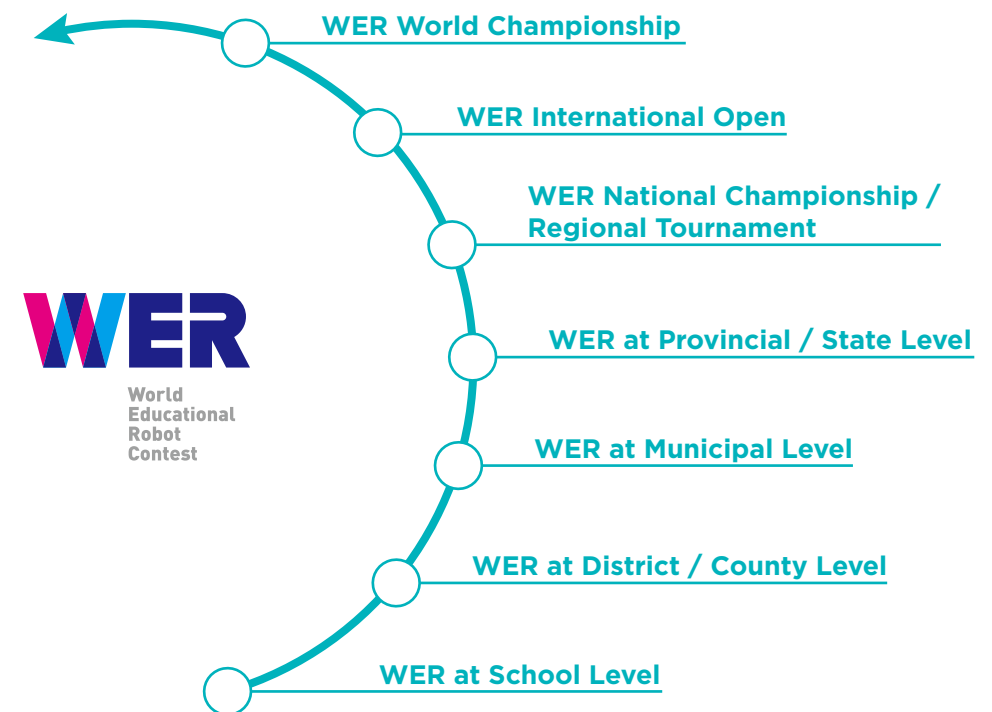
Teaching Materials

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.



WER Contest Levels



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

Abilix

EDUCATIONAL ROBOT



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