

Abilix Robotics X-Laboratory Systematic Solutions



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The Essentiality of Laboratory Building

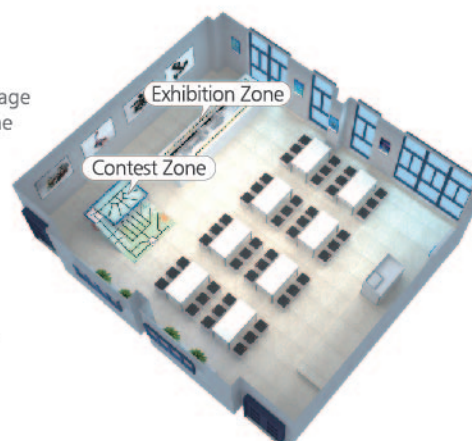
- a** Arranging scientific and technological activities.
- b** Adding elements like Robotics, Maker, Internet of Things into the IT curriculum.
- c** Studying on technical & innovative education.
- d** Displaying the strength of school & fruit of innovative education reform.
- e** Conducting quality-oriented education based on multiple intelligence.



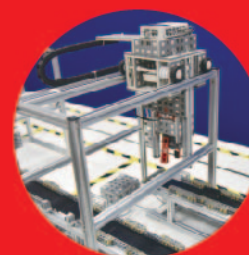
Layout Plan

Abilix robotics laboratory integrates teaching zone, activity zone, exhibition zone, storage zone, contest zone, and reading zone together in an organic manner, coupled with the platform of educational robotics, it can realize a brand new educational mode.

- 1** Teaching Zone — for teachers to give their daily teaching.
- 2** Activity Zone — for students to build and test their works.
- 3** Exhibition Zone — for saving and displaying students' works.
- 4** Storage Zone — for storing educational and relevant equipments.
- 5** Contest Zone — for students to have competitions and exchange their ideas.
- 6** Reading Zone — for providing robot related books.



Teaching & Exhibiting Projects



(FMS) (Optional)

Flexible Manufacturing System

This project involves production line equipment and the model car. Components included: software, project videos; pictures for assembly instruction. The production line covers 7 functional stations (chassis welding, rear tire installation, interior installation, interior shaping, body shell installation, rolling off the assembly line, AGV wheeler) and 5 conveyor systems. (chassis warehouse, rear tire warehouse, interior warehouse, conveyor belt).

Amusement Park (Optional)

8 Movable parts: Ferris wheel, Giant Frisbee, Pirate Ship, Carousel, Chair-O-Planes, Drop Tower, Sightseeing Train and Splash Over. Fixed Parts: Gate, fence, arch bridge, afforest etc. Components included: preprogram; Software, Project videos; pictures for assembling guide.

