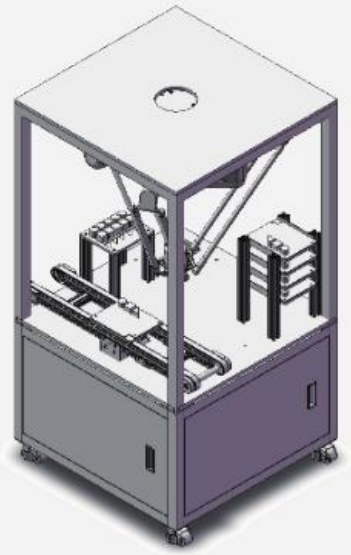
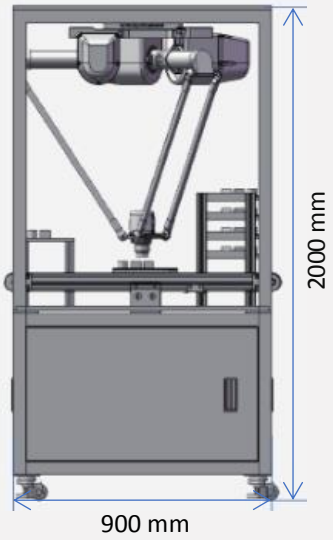
Delta Robot Platform

Robot Education Solution





Main Features

- Standard EtherCAT communication
- Compact Design
- Designed for education market
- Standard 4-axis Delta robot: MiniDelta

Content

- Control cabinet
- Robot control API
- Educational 4-axis Delta robot
- Open-structure robot controller

Product Overview

Model NRB-EDU4D-01/0.50
MiniBOT Platform 4-axis Delta

The 4-axis Delta robotic platform is a complete solution designed for teaching purposes. This open-structure control system also provides APIs for users to develop their application software. A suite of optional learning applications is available for different teaching modes and situations to simulate the robotic applications in the industry.

Educational Hardware

Robot weight 8 kg
Operation range 500 mm

Application Accessories (optional)

♦ Conveyor	800 x 180 x 200 mm
♦ Work Table	900 x 900 x 800 mm
♦ Assembly Table (small)	220 x 170 x 220 mm
♦ Storage Unit (for boards)	200 x 230 x 350 mm
♦ Gripper	customized with the robot
♦ Assembly Board	150 x 200 x 5 mm
♦ Trajectory Movement Board	150 x 200 x 5 mm
♦ Writing Board	150 x 200 x 5 mm
♦ Layout Design Board	150 x 200 x 5 mm
♦ Product Sorting Board	150 x 200 x 5 mm

Training Modules

♦ Robot Body Specifications	♦ Robot Operation Process	♦ Linear Motion
♦ Control Cabinet Configuration	♦ Operation Mode Start/Stop	♦ Application – Writing
♦ Control Box Boot Sequence	♦ Jog Control	♦ Application – Layout Design
♦ Homing Process	♦ Point-to-point Motion	♦ Application – Sorting

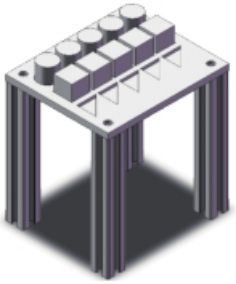
Application Accessories (optional)

nexCOBOT
Open Robots & Machines

Work Table

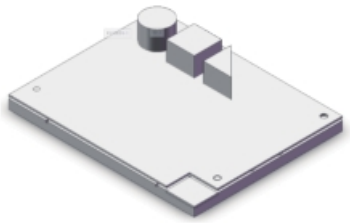
Conveyor

Assembly Table



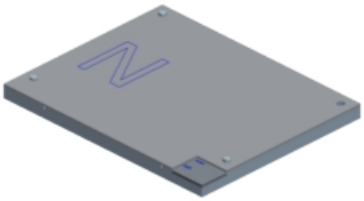
Storage Unit (for boards)

Assembly Board

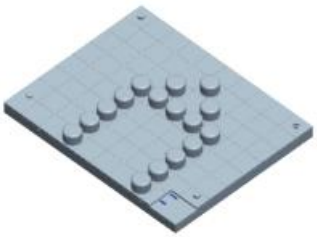


Trajectory Movement Board

Writing Board



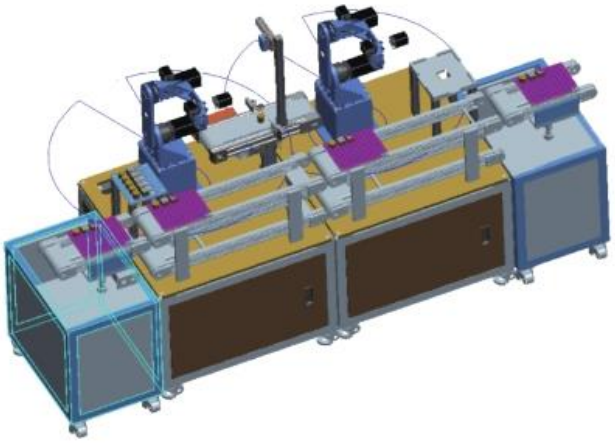
Layout Design Board



Product Sorting Board

Customized Courses

Assembly Line Simulation



Sorting/Storage Process Simulation