

ACR hardware design labels

label	body design and representative words	label	body design and representative words
b ₁	humanoid	b ₄₂	mobile vehicle, aerial lift, manipulator, vacuum suction device
b ₂	arm, manipulator, mounted on vehicle, track, excavator, caterpillar, lorry, rail, crawler, crane, car	b ₄₄	manipulator, vacuum suction, wheel mobility
b ₃	crawler	b ₄₅	wearable
b ₄	arm, slider pulley	b ₄₆	wheel mobile, magnetic gripper
b ₅	multi-fingered robot hand, gear, belt	b ₄₇	mobile formwork
b ₆	tank	b ₄₈	reconfigurable, vacuum grippers, arm, two robots
b ₇	gantry robot, arm	b ₄₉	crane, robotized crane
b ₈	mobile robotic platform/robot	b ₅₀	vacuum cups, overhead gantry crane
b ₉	AGV, track lifting arm	b ₅₁	omnidirectional wheel, mobile platform, vacuum generator, robotic arm
b ₁₀	traveling crane	b ₅₂	mobile vehicle, carriage, truck, excavator, tank, trolley, dozer, Caterpillar, Forklift, machine
b ₁₁	lifting rail, and arm moved by carriage	b ₅₃	wireless gripper, winch
b ₁₂	fixed arm (depicted, mounted, hang on, manipulator, attach)	b ₅₄	vacuum gripper and robot arm
b ₁₃	mobile platform arm, manipulator	b ₅₅	vertically mobile arm
b ₁₄	changeable cell	b ₅₆	rail moving arm,
b ₁₅	wheel mobile lifting single arm	b ₅₇	wire robot, cable climb
b ₁₆	climbing platform, pediculate, gripper	b ₅₈	UAV, drone, Unmanned Aerial Vehicle, unmanned aircraft system (UAS)
b ₁₇	lift fixed manipulator	b ₅₉	a scissor lift, aerial bucket, and a manipulator arm
b ₁₈	the legged mobile platform with rods climbs	b ₆₀	truss-type robot
b ₁₉	climbing platforms, with vacuum grippers and suction	b ₆₁	double arm excavator arm, double front, dual arm
b ₂₀	climbing two platforms and a light skeleton, vacuum grippers	b ₆₂	caterpillar and, 6-DOF manipulator with vacuum pad
b ₂₁	mobile arm	b ₆₃	scissor-jack type manipulator
b ₂₂	mobility platform and magnetic gripper	b ₆₄	ground-based, aerial robotic platform
b ₂₃	mobile robot, a light automatic manipulator moves by rail	b ₆₅	mobile square
b ₂₄	climbing system	b ₆₆	mobile tracked locomotion
b ₂₅	parallel robots	b ₆₇	robotic system, robot
b ₂₆	rail, vertical-moving robot	b ₆₈	mobile platform Husky
b ₂₇	AGV, unmanned ground vehicle	b ₆₉	platform clamp
b ₂₈	Hexapod-Shaped	b ₇₀	mobility feet, leg, limbed
b ₂₉	a mobile platform, a manipulator mounted on a lifting column	b ₇₁	wheel mobile platform, caterpillar
b ₃₀	ABB arm, arm, KUKA arm, Mitsubishi Robot RV-2AJ, manipulator, UR5	b ₇₂	Hammering Robot

b ₃₁	UGV and UAV	b ₇₃	magnetic wheel
b ₃₂	wheel mobile robot	b ₇₄	worm-like, snake-like robot
b ₃₃	bucket, arm	b ₇₅	mobility, clamping manipulator
b ₃₄	vertical mobile, a cleaning head, a pressure pump, a suction device, a filter and a tank.	b ₇₆	scissor lifter and omnidirectional wheels
b ₃₅	magnetic clamp and mobile platform	b ₇₇	bolting robot
b ₃₆	mobile arm, manipulator with wheels	b ₇₈	collaborative robots, multi robot, team of robots, multiple
b ₃₇	mobile reconfigurable, platform	b ₇₉	omnidirectional wheel
b ₃₈	reconfigurable vertical climbing	b ₈₀	3d printer, lifting
b ₃₉	reconfigurable with locomotive wheels	b ₈₁	motion base, manipulator
b ₄₀	caterpillar wheels, commercial impeller, vacuum suction	b ₈₂	artificial Nbber/ Rubber muscle (PARM)
b ₄₁	parallel manipulator, frame	b ₈₃	novel furniture system, terminal wall system