



ABB is a global leader in industrial, collaborative and mobile robotics.
Here's Why:

Durability -- The Most Durable Robots Available.

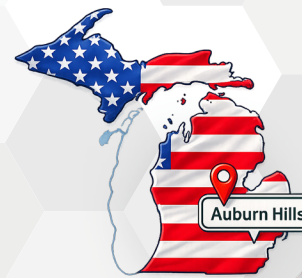
Most of ABB's robot systems use oilbath joints, keeping axis gearboxes constantly lubricated for punishing cycles. ABB robots use resolvers, which are more durable than encoders, for positioning. And ABB's Foundry Plus 2 robots live for years in the absolute most hostile, hot and dirty places on earth.

Free actual software (not a pendant emulator)

ABB's free version of RobotStudio lets you program and commission your robot directly on your floor—including coding, safety, and collaboration—at no cost. Anyone can download and use it with any ABB robot. While other manufacturers offer basic pendant emulators, RobotStudio provides full programming software for free.

Built in the USA.

ABB builds many of their most popular robot arms and their robot controllers in Auburn Hills, Michigan, close to home. When you buy an ABB robot, you're a part of the reshoring of American manufacturing.



The Most Accurate and Precise Robot, Period.

ABB's Path Accuracy is the best on the market. If you're dispensing, welding, grinding, buffing, painting or depositing anything, path accuracy is highly critical. Our superior path accuracy means a faster cycle time while still holding your intended path.

One Pendant and One Controller for ALL ROBOTS

The FlexPendant is the same for ALL robots--industrial, collaborative, SCARA, and Delta. It's an app-based, graphical interface and highly intuitive. Program and touch up points in just a couple taps, or create your own production interace with AppStudio free software.

All of our robots use RAPID, a text-based programming language. No compiling, just intuitive, text-based programming, and no restrictions on what you can do with your robot.



CRB15000 Cobot
5kg, 1m reach



IRB 7600 Robot
500kg, 3.5m reach



Lydey Automation was Founded in 1976, and our guiding principles haven't changed.

Be Agents of Change

We work to engage with you as positive agents of change. We want to challenge your ways of doing things to help you stay innovative. We believe the opportunities for breakthroughs and growth often arise from the challenging of your established ideas.

Be a Convenient Resource

We work to set ourselves apart from our competition by figuring out how to be highly accessible to you when you're in need of automation products. We believe that if we can offer product knowledge, fast access to technical support, fast pricing and delivery information, and onsite assistance in applying our products, we'll be at the top of your list the next time you need automation technology.

Be always learning

Our sales engineers are put through constant training on new products and technologies. We foster an environment of curiosity and provide them with the resources to learn and master new technology. We pass this training and education along to you in the form of free training on a variety of technologies and concepts. We have never hesitated to spend our time and resources to train you at little to no cost, in order to help you develop your skills and knowledge.

Our fifty-year success has always centered on supporting and helping you grow.



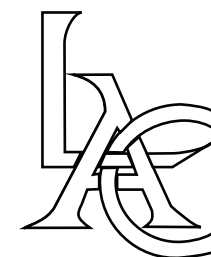
Lydey Automation



Your Onramp to Robotic Automation

Our Proven Process takes you from idea to working automation--with clear steps and no surprises.

Using American-Made Robotic Systems from



Lydey Automation



Want to take your first steps with robotic automation?

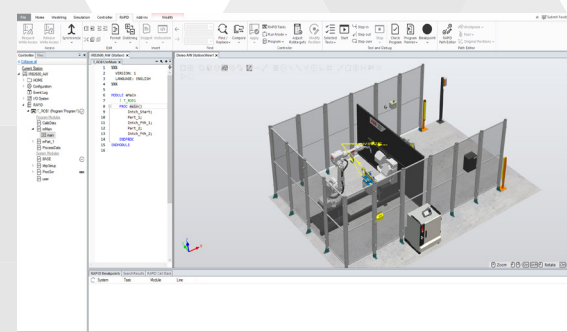
Here's how we do it.

Step One: Let's Review your Application.

The best way to understand your application is for robot and sales engineers to come to you and see it. We'll ask questions, discuss how you see the application unfolding, make suggestions, and even figure out how to save some money on your application. But we'll also help you determine whether or not your application is ready for a robot.

Step Two: Let's Build you a Simulation of your robot.

Once we understand your application, we'll go to work to create a simulation using RobotStudio's simulation tools. RobotStudio can create an accurate digital twin of your application, because the same motion planning software on our controllers is what exists in RobotStudio. We can calculate reach, payload, and cycle time without spending a dime. And you'll have a video of your application to share with all the stakeholders--that instills confidence that your robot will return real ROI.



RobotStudio -- ABB's programming software

Step Three: Let's put tools on the robot

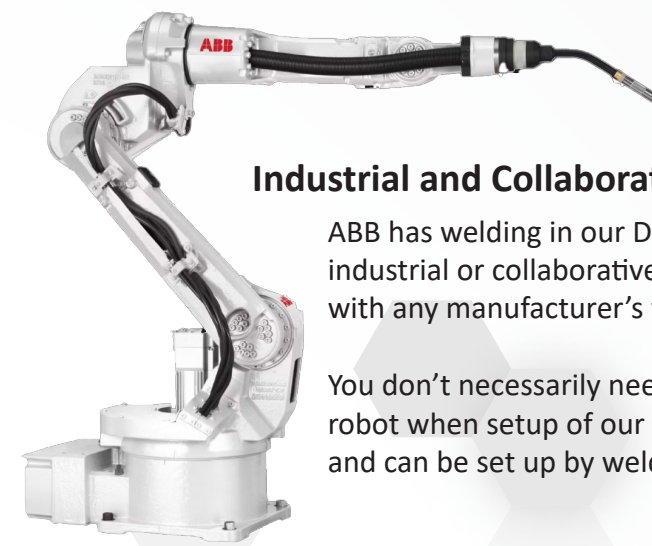
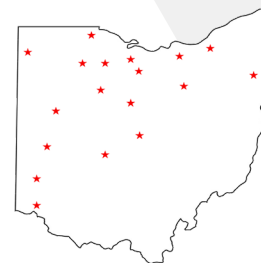


We are a full automation technology provider, and we also represent the best manufacturers for robot tooling, robot vision and sensing, and a whole host of complimentary hardware for your robot. Our safety specialists can also work with you to get a handle on safety as well so you're productive and safe.

Step Four: Buy the robot, and schedule your free training.

You'll never be left wanting for product training with Lydey -- it's a cornerstone of our mission. Once you order your robot, we'll work to schedule your free training from Lydey to coincide with receipt and install of your robot -- or come to our facility and learn in our training lab on the same operating system.

If your application requires skills outside of your own abilities, we have a network of robot integrators we work with that can also lend a hand. No matter where you're at, an ABB integrator is available.



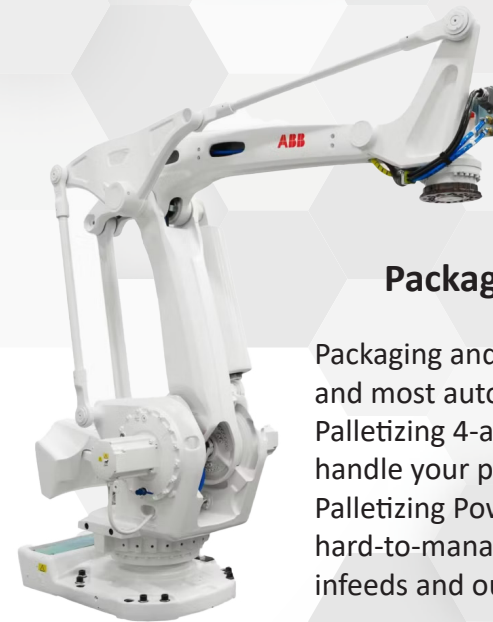
Industrial and Collaborative Robot Welding

ABB has welding in our DNA. Whether it's traditional industrial or collaborative welding, we can outfit your robot with any manufacturer's welding gear.

You don't necessarily need high volume jobs to justify a robot when setup of our robots takes only a few minutes, and can be set up by welders instead of robot engineers.



OmniVance Collaborative Standard and Lite Weld Cells



Packaging and Palletizing Robots

Packaging and Palletizing demands some of the fastest and most automated production on the planet. ABB's Palletizing 4-axis and Delta-style Five axis robots can handle your packaging needs effortlessly. The ABB Palletizing PowerPac can handle sophisticated and even hard-to-manage palletizing networks with multiple infeeds and outfeeds with ease.

Collaborative Robotics

Our collaborative robots safety merge industrial robot tech with proven safety with dual redundant encoders, force and torque sensing and Safe Move Collaborative, our safety software. Get payloads up to 30kg and up to almost two meters in reach.

Graphical configuration of your safety system is done with the help of tutorials and can be completed in ten minutes.



Let's bring a live demo to you.



Our Cobot Demo will fit in your conference room and use standard wall power. Experience ABB robots with your own hands.

Material Handling

Handle, move, transfer, load, unload, pick and place--there's always a material handling application better suited for a robot. Our medium and large size robots can do so precisely and at high payloads and reaches.



Our OmniVance Machine Tending system can add a second shift to your machining schedule -- simply load parts, start the process and have finished parts in the AM.



Assembly and Small Parts Handling

ABB's industry-leading pose repeatability and path repeatability make us manufacturing's first choice in small parts assembly. If you have to apply adhesive, cut a specific profile or insert a part with demanding repeatability, we're your best choice. Our small six axis and SCARA robots are perfect for vision-guided parts handling, inserting, assembling and transferring any small part.

You can also go collaborative, and benefit from the 0.3mm path repeatability of the GoFa equipped with Ultra Accuracy.



Your first step starts here: www.lydey.com/RobotOnramp