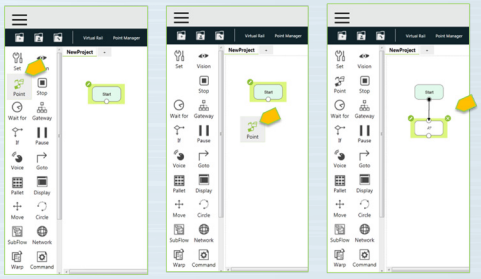
TMFlow Software for Omron TM Collaborative Robots



The Omron TM Collaborative Robot can be programmed in a matter of minutes thanks to TMFlow, a free graphical programming environment that requires no prior experience. In TMFlow, users click-and-drag pre-written code instructions into a flowchart-based project. Users can alternatively program the cobot by hand-guiding the cobot. Using buttons built into the wrist, users can teach the cobot positions and gripper / tooling actions. TMFlow has turned developing and adjusting controls programs into a painless process.

The Omron TM Collaborative Robot is also supported by an ever-growing Plug & Play ecosystem of 3rd party devices and software. This ecosystem includes grippers (mechanical and vacuum), connectivity devices, and application accessories such as force sensors. These products are available with pre-written TMFlow code instructions that can easily be added to projects with minimal additional software configuration necessary. These options further expand the flexibility of the Omron TM Collaborative Robot to match the needs of different applications of varying scales.

Programming Methods

Several programming options are available to cater to the needs and preferences of project developers and end-users.

- Hand guidance mode allows users to easily set points and assign tasks to the robot. With buttons built into the cobot arm, users can guide the robot into position and automatically record positions and tasks in TMFlow.
- TMFlow can be accessed while connected to an Omron TM Collaborative Robot (wired or wirelessly) via a remote laptop, PC, or tablet running Windows. The TMFlow Editor license is available to enable offline programming, wherever and whenever works best for you.
- An optional NexCOBOT Teach Pendant can provide access to TMFlow in a more traditional teach-pendant interface. This teach pendant features a 10.1" touch screen, an integrated E-stop, and a 3-position enabling switch.