

Coordinated Motion

KEY BENEFITS

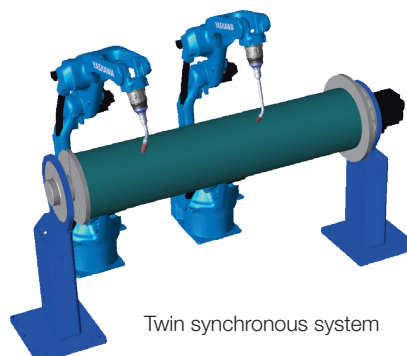
- Maximum of eight robots and 24 stations may be controlled through one controller
- Multi-robot, robot with station, or multi-robot with station allowed
- Easy to program multiple devices to keep part in optimum welding position

OVERVIEW

DX200 and YRC1000 can each control a maximum of eight robots and 24 stations (jigs) through one controller.

The “station-coordinated function” enables the station to hold the workpiece while the robot holds the tool; both of them can work cooperatively. Coordinated motion with the station (SMOV) allows linear, circular or spline motion to be taught for part geometry. Robot and station motion will be coordinated together to follow the programmed path. Robot to station calibration is easy with just a few programmed points.

The “jigless system” enables the first robot to hold the workpiece while a second robot holds the torch; both of them work cooperatively (concept is same as station-coordinated).



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