



MOTOPICK

EASILY ADDS VISION-BASED PICKING AND LOAD BALANCING TO YOUR APPLICATION



NO PC
REQUIRED



HIGH SPEED



SCREEN ON
PENDANT



STATIONARY
MOUNTED CAMERA

KEY BENEFITS

Conveyor tracking speed up to 1-M/sec.

Multi-picking of up to four parts with multiple placements per cycle

Different part types can be picked and sorted

Wizard provided to step through set-up process

CONTROLLERS



DX200



DX100



FS100

- User-friendly, highly advanced software solution allows for the development of machine vision-based, high-speed picking solutions.
- Provides building blocks to create optimal picking solutions for up to 10 robots and 11 conveyors.
- Provides pattern-based distribution of product and dynamic load balancing among multiple robots.
- Precise control and coordination of infeed and outfeed conveyors.
- Software-based solution and modular hardware greatly reduce the integration wiring and panel space required for a multiple robot cell.
- Multiple cameras are available based on conveyor width, workpiece size, target accuracy, production volume and conveyor speed.
- Components included:
 - MotoPick™ software
 - Interface terminal strip with 24V, 2.5A power supply and 8-port Ethernet switch
 - Robot interface board with four 5-M cables per robot
 - Conveyor tracking interfaces
 - Encoder splitter board for each shared conveyor
 - Infeed camera and interface (lens and lighting not included)

CONVEYOR WIDTH	CAMERA OPTION *	CAMERA RESOLUTION	CAMERA SPEED
< 500 mm	MS200, equivalent to In-Sight 7200-11	800 x 600	102 frames / sec
500 mm – 800 mm	MS300, equivalent to In-Sight 7402-11	1280 x 1024	60 frames / sec
> 800 mm	Investigate other Cognex options		

* Camera options shown in the table are for reference; the final camera selection is based on each specific application.