

Quickdraw®

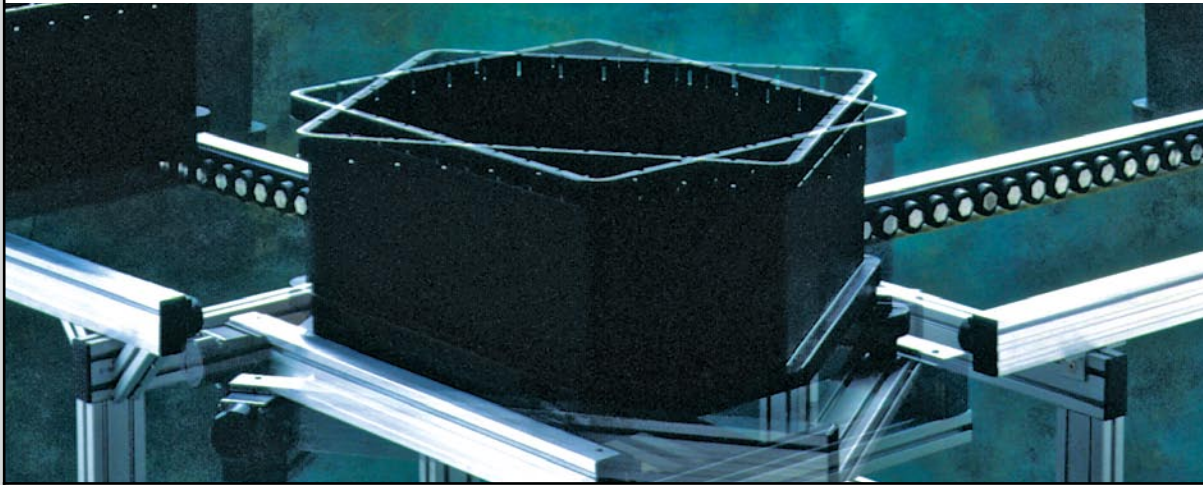
CONVEYOR SYSTEMS by MAGSTAR™ TECHNOLOGIES

Connecting Your Workplace

Quickdraw® designs and manufactures conveyors for factory automation in cleanroom environments. A full line of modular components, both standard and custom, are ideal for medical, micro-electronics, and semiconductor applications. Headquartered in Hopkins, Minnesota, the company serves both domestic and international markets.

CONVEYOR OPTIONS

CORNER ROTATE, LIFT & ROTATE, LOCATE, & LEG SETS



MR Lift & Rotate

The **Lift and Rotate** unit places the product in the orientation required by the operator or process equipment. It consists of a push/pull pneumatic cylinder with product

detect sensor, a rotary pneumatic cylinder with two position sensors, and a lift pad that contacts the product or carrier. The unit mounts easily to the bottom of the conveyor rails.

Conveyor Rotate

The **Conveyor Rotate** is a Quickdraw® conveyor on an independent frame mounted on a swivel base. The rotating conveyor is actuated by a pneumatic cylinder.

Metering stops are positioned on the outfeed end of the incoming conveyor and the rotating conveyor. A product sensor is placed on the incoming end of the exit conveyor to prevent backed up

product from interfering with the product that is being rotated.

This module's height, width, and length may be designed and built to customer specifications. The conveyor length is available in 2 inch increments. The controls enclosure includes all required pneumatic valves, motor drive controllers, and a PLC.

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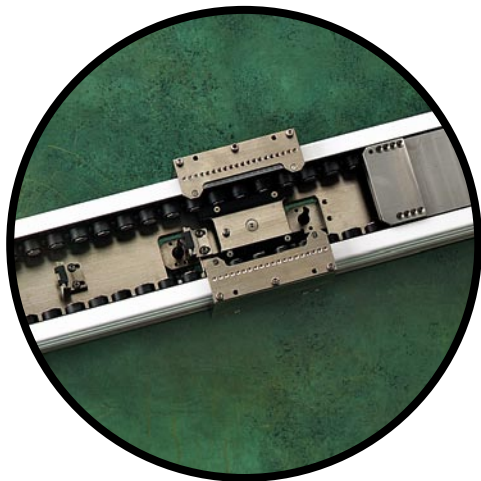
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CONVEYOR OPTIONS

Lift and Locate

The **Lift and Locate** Dock fastens directly to any Quickdraw® conveyor section. Metering stops deliver the products or carriers one at a time into the dock. A fixture with locating pins mates with



bushings in the product carrier, holding locations within ± 0.0035 inches of true position for precise operations. Quickdraw® will custom design the lift plate to meet the specific requirements of each product or pallet.

Each Lift and Locate Dock includes one product detect sensor, one metering stop, and a one-position sensor on the double acting lift cylinder. Flow controls adjust

the lifting and lowering actuator. Your PLC controls the positioning and metering functions. Additional metering stops and sensors may be required to hold and release product into the dock. Carrier ID and status switches are also available.

