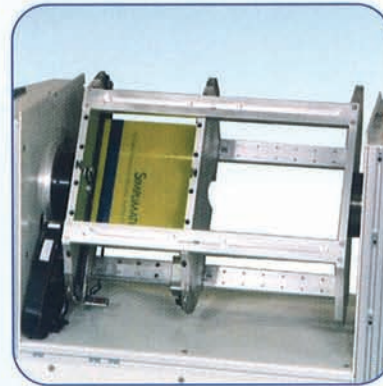
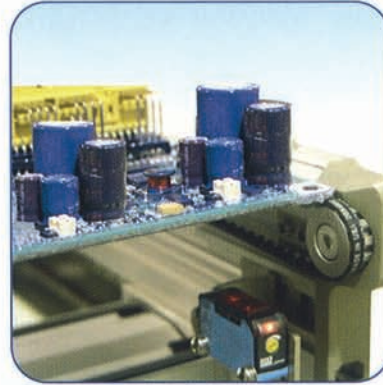




**SIMPLIMATIC**  
AUTOMATION

# *CIMTRAK*®



*experience*

*energy*

*enthusiasm*



## Experience

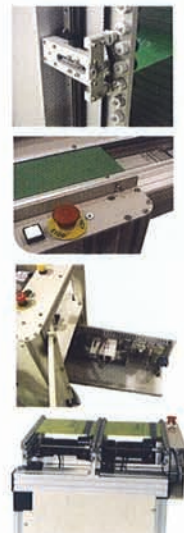
Simplimatic design philosophies have been highly regarded by the electronics industry since 1988, before the proliferation of surface mount technology. We have tested countless belt types, frame designs, and electronics components to bring you the most reliable, best performing, most well thought-out conveyor on the market today.

Our customers include some of the largest manufacturers of their type in the world, operating in some of the most demanding conditions. We also consistently excel at unique projects by starting with a proven design and customizing it to meet your needs exactly.

The innovation continues today at our electronics conveyor manufacturing facility, the largest of its kind in North America. Call us now and let our experience start working for you.

## Design Excellence

- Simplimatic has been in the conveyor business long enough to know what works and what does not. For a great example, look no further than our one piece, machined aluminum FIFO side plates with patented drive assembly.
- We also take great care to reduce hazards by minimizing sharp corners, using safety guards, and positive-guided EMO system, as shown on our Shuttle Gate.
- And for ease of maintenance, nothing beats a well labeled electrical panel on drawer slides, shown here on our Servo Side Shuttle.
- Simplimatic was the first conveyor company to deliver a complete line of dual lane conveyor equipment.



## Standard On All Units:

- Hand crank width adjust
- 2" x 2" to 18" x 20" board size range
- Allen Bradley PLC
- Electrostatic Dissipative Construction
- DC Stepper Motor Conveyors
- Powder Coat Paint Finish
- ESD ground strap receptacles
- Stainless steel, chrome-plated, or zinc fasteners
- 5mm edge guide clearance
- SMEMA 1.2 compliant

## Typical Options:

- Width or length of conveyor sections
- ESD-safe Lexan covers
- 3mm edge guide clearance
- UHMW wear strips for ceramic handling
- Networked width control or other LAN
- Bar code or 2D readers
- Workstation and Inspection Options
- Lift and Locates
- Custom magazine size or custom tooling
- All conveyors available in dual lane configuration
- Wireless SMEMA

## Modular

### Need to add accessories?

Our modular approach to machine design results in maximum flexibility for you. As your production layout changes, just add or subtract our “plug-and-play” conveyor modules. Each machine is built to SMEMA industry standards, which ensures they will integrate easily into your production lines.

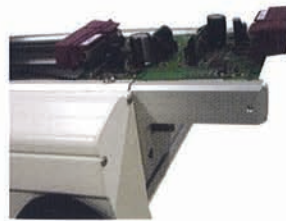
### Need to add accessories?

Microscopes, heated stages, 2D readers, and tooling fixtures will bolt right to our proprietary extruded aluminum framework with basic hand tools. No welding or drilling required.

### Have a custom requirement?

Our modular design philosophy means we can respond quickly to custom requests, without starting a design from “scratch”, which saves you time and money. For example, we have pre-packaged solutions for custom magazine sizes, extra-small or extra-large products, fragile substrates, and high-temperature packages.

- Add accessories without drilling or welding.



- Replaceable conveyor tips can be quickly added to reduce transfer gaps or change the length of a conveyor.

- Our modular accessories, such as this fan bank, attach with basic hand tools.



- Stops, singulators, and lift/locates bolt directly.

## The CIMTRAK® Advantage

### Servo-controlled motion control:

Closed-loop electronic feedback is standard on all major motion control systems on the CIMTRAK® line. This eliminates positioning and speed control problems inherent to DC and pneumatic motion control.



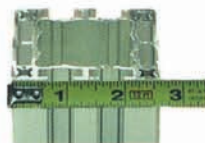
### DC Stepper Conveyor Motors:

Stepper motor conveyor control allows precise adjustments to velocity, torque, acceleration, deceleration, and current. Also eliminates the hassles associated with driveshafts, driveshaft covers, DC brush maintenance, motor noise, and belt removal.



### Rail Design:

Extruded slots along the rail easily accept after market accessories. Zero-gap between belt and edge guide eliminates jamming problems with thin boards. Infeed tips are hard-anodized and beveled.



### Extruded Aluminum Framework:

Simplimatic uses a proprietary aluminum frame extrusion, which is stronger than 2" square mild steel frame members, and allows accessories to be added without drilling or welding. As part of our "stressed body" design, this approach results in a very strong, clean machine frame.

### Conveyor Belt Construction:

Simplimatic pioneered the use of non-spliced, fiberglass-reinforced power transmission belts for PCB edge belt conveyors. Superior strength and wear characteristics when compared to laminated tape belts. Only five belt sizes required for the entire CIMTRAK® product line.

*Simplimatic timing belt*



*Competitor's tape belt*

### SMT Product Handling Equipment Guide

The following standard products represent the most common methods of product transfer between Surface Mount manufacturing processes. For information on options or custom units, please visit our website or contact your local Simplimatic representative.



**Model 2011:**  
Edge Belt  
Connecting Conveyor



**Model 8200:**  
PCB Magazines

**Model 2140:**  
Bare Board Destacker



**Model 2331:**  
Enclosed Micro  
Magazine Handler



**Model 2050:**  
Board Inverter



**Model 2130:**  
Magazine  
Loader/Unloader

**Model 2080:**  
FIFO Buffer



**Model 2111:**  
Wave Solder Loader



**Model 2040:**  
Turn Unit



**Model 2092:**  
15° Tilt Conveyor

**Model 2260:**  
Shuttle Gate



**Model 2060:**  
Lift Gate



**Model 2046:**  
Product Orientator



**Model 2120:**  
Lifo Buffer

**Model 2192:**  
Mini Magazine  
Loader/Unloader



**Model 2171:**  
Incline/Decline  
Flat Belt



**Model 2070:**  
Side Shuttle



**Model 2150:**  
Spiral Brush Aligner

**Model 2170:**  
Flat Belt Conveyor



**Model 2210:**  
Slide Line



**Model 2160:**  
Power and Free  
Chain Conveyor



**Model 2031:**  
Edge Belt  
Workstation

CUSTOMER SERVICE IS  
OUR TOP PRIORITY



Simplimatic Automation is a manufacturer of modular conveyors & automation for packaging and assembly production lines. The products we offer are used to automate production lines in the electronics, semiconductor, automotive, consumer products, food, pharmaceutical and personal care industries. Products are shipped, installed and serviced worldwide. See our web site for our worldwide list of authorized solution centers.



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