PRODUCT CATALOGUE 2027

Board Handling Equipment

Loaders, unloaders, conveyors, buffers, stackers, line routing, gate and cleaning machines for SMT and THT lines. Standard or custom made.



INTRODUCTION

Built for middle and high volume production



INTEON conveyors are built for middle and high volume production, combining an attractive price with high quality performance. INTEON conveyor systems ensure optimum process stability through innovative technology. The complete electrical system meets the European quality standard and other international safety standards.

Warranty

3 years

Best in the industry warranty: 3 years full warranty.

Support - Europe

For more complex appliances our company offers the necessary training for set-up and use. We repair all products traded by our company during and after the warranty period, and we guarantee the continuous supply of accessories.

On-site visit

If any of our products has aroused your interest, INTEON will be glad to visit your company and give a presentation of the product. Major machines can also be viewed at our partners' sites.

Offers

Most of our product prices can be requested on our website and will be sent to you by email. For special and more complex machines, prices are given individually after consultation, in a price offer. For more information or user manuals, visit our continuously updated website (www.inte-on.com). You are also welcome to visit our office, where you can purchase the devices and spare parts you need.

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INTEON

INTEON BOARD HANDLING

3 YEARS WARRANTY

Best in the industry warranty: 3 years full warranty.



FOLLOW ME SYSTEM

Automatic width adjustment across the whole line



The width is adjusted via step motor; the FOLLOW ME system consists of an Omron PLC with Ethernet interface, touch screen and step motor.

When you set the width value on the touch screen of any of our machines in the line, the width of the other machines in the same line follows the set value automatically.

Industry 4.0 option available

Lead free

Energy saving

Eco

Flexible



CUSTOM MADE

Every machine can be customized

Custom made board handling is one of our strengths. Every machine in this catalogue can be adapted to your boards, your magazines, your carriers and your line, or built from the ground up to your specification.







Standard and CAB magazines

Loaders, unloaders and buffers are built for standard ESD magazine racks and for CAB magazines as well.

Carrier compatible systems

Conveyors for pallets and carriers, special widths and lengths.

Multi-zone concepts

Multi-zone conveyors with several variants, inspection and bypass modes, variable speed.

Width adjustment your way

Hand crank, motorized, automatic by touch screen, or the FOLLOW ME system across the line.

Modified standard machines

Transfer height, direction, pitches, panel layout, sensors and interfaces to your request.

Integration

SMEMA as standard, Hermes protocol to meet the requirements of Industry 4.0.

1
Send us the board size, the magazine type and the layout

2
We propose a concept and a quotation

3
We build the machine to the agreed specification

4
Installation, training and 3-year warranty

LOADING AND UNLOADING

Single Magazine Loader

The Single Magazine Loader is used at the start of the line for loading PCBs to the production line. The unit loads the production line automatically by pushing PCBs out of a magazine onto the conveyor of the downstream machine.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ **Standard and CAB magazines**
- ✓ Multiple pitches selectable
- ✓ Tower light display for machine status
- ✓ Capacity: 1 magazine, discharged from the rear of the machine
- ✓ Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-ST-250A-ML	IE-ST-330A-ML	IE-ST-390A-ML	IE-ST-460A-ML
Size	M	L	LL	XL
Power	AC 110/220 V ±10 V, 50/60 Hz			
Air pressure	4–6 kgf/cm²			
Fixed rail	Front			
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm
Transfer height	920 ±50 mm or specify			
Direction	left to right or right to left (option)			
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm
Pitches	1–50, 10 mm pitch			
Machine dimension	1140 × 1060 × 1200 mm	1350 × 1220 × 1200 mm	1525 × 1340 × 1200 mm	1525 × 1480 × 1200 mm
Machine weight	170 kg	190 kg	210 kg	230 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

LOADING AND UNLOADING

Single Magazine Unloader

The Single Magazine Unloader is used at the end of the line for unloading PCBs from the production line. An arriving PCB is taken up by the attached conveyor and then pushed into the magazine by the pusher. The magazine indexes to the next position and is ready for the following unloading cycle.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- **Standard and CAB magazines**
- Multiple pitches selectable
- Tower light display for machine status
- Capacity: 1 magazine, discharged from the rear of the machine
- Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-ST-250A-MU	IE-ST-330A-MU	IE-ST-390A-MU	IE-ST-460A-MU
Size	M	L	LL	XL
Power	AC 110/220 V ±10 V, 50/60 Hz			
Air pressure	4–6 kgf/cm²			
Fixed rail	Front			
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm
Transfer height	920 ±50 mm or specify			
Direction	left to right or right to left (option)			
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm
Pitches	1–50, 10 mm pitch			
Machine dimension	1120 × 1060 × 1200 mm	1280 × 1220 × 1200 mm	1460 × 1340 × 1200 mm	1460 × 1480 × 1200 mm
Machine weight	200 kg	210 kg	230 kg	250 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

LOADING AND UNLOADING

Multi Magazine Loader

The Multi Magazine Loader is used at the start of the line for loading PCBs to the production line. The unit loads the production line automatically by pushing PCBs out of a magazine onto the conveyor of the downstream machine.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- **Standard and CAB magazines**
- Multiple pitches selectable
- Automatic magazine change-over
- Tower light display for machine status
- Capacity: 3 magazines
- 460AC model: adjustable for all four magazine sizes
- Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-CT-250A-ML	IE-CT-330A-ML	IE-CT-390A-ML	IE-CT-460A-ML	IE-CT-460AC-ML
Size	M	L	LL	XL	–
Power	AC 110/220 V ±10 V, 50/60 Hz				
Air pressure	4–6 kgf/cm²				
Fixed rail	Front				
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm	50 × 50–535 × 460 mm
Transfer height	920 ±50 mm or specify				
Direction	left to right or right to left (option)				
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm	all four sizes
Pitches	1–50, 10 mm pitch				
Machine dimension	1365 × 765 × 1200 mm	1650 × 850 × 1200 mm	1745 × 910 × 1200 mm	1745 × 980 × 1200 mm	1750 × 1100 × 1200 mm
Machine weight	220 kg	240 kg	260 kg	270 kg	290 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

LOADING AND UNLOADING

Multi Magazine Unloader

The Multi Magazine Unloader is used at the end of the line for unloading PCBs from the production line. An arriving PCB is taken up by the attached conveyor and then pushed into the magazine by the pusher. The magazine indexes to the next position and is ready for the following unloading cycle.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- **Standard and CAB magazines**
- Multiple pitches selectable
- Automatic magazine change-over
- Tower light display for machine status
- Capacity: 3 magazines
- 460AC model: adjustable for all four magazine sizes
- Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-CT-250A-MU	IE-CT-330A-MU	IE-CT-390A-MU	IE-CT-460A-MU	IE-CT-460AC-MU
Size	M	L	LL	XL	–
Power	AC 110/220 V ±10 V, 50/60 Hz				
Air pressure	4–6 kgf/cm²				
Fixed rail	Front				
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm	50 × 50–535 × 460 mm
Transfer height	920 ±50 mm or specify				
Direction	left to right or right to left (option)				
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm	all four sizes
Pitches	1–50, 10 mm pitch				
Machine dimension	1685 × 745 × 1200 mm	1920 × 820 × 1200 mm	2165 × 880 × 1200 mm	2165 × 950 × 1200 mm	2500 × 1100 × 1150 mm
Machine weight	240 kg	270 kg	290 kg	310 kg	330 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

LOADING AND UNLOADING

PCB NG/OK Unloader

The PCB NG/OK Unloader is used for good/bad PCB separation. The PCBs are collected from the upstream machine onto a shuttle conveyor and pushed into the designated magazine. The shuttle conveyor moves sideways between upstream machine and magazines.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- **Standard and CAB magazines**
- Good and bad PCBs can be separated automatically with magazine rack
- Multiple pitches selectable
- Automatic magazine change-over
- Tower light display for machine status
- Capacity: 3 magazines for good PCBs and 3 for bad PCBs
- Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-CT-250A-UNG	IE-CT-330A-UNG	IE-CT-390A-UNG	IE-CT-460A-UNG
Size	M	L	LL	XL
Power	AC 110/220 V ±10 V, 50/60 Hz			
Air pressure	4–6 kgf/cm²			
Fixed rail	Front			
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm
Transfer height	920 ±50 mm or specify			
Direction	left to right or right to left (option)			
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm
Pitches	1–50, 10 mm pitch			
Machine dimension	1680 × 1460 × 1200 mm	1890 × 1630 × 1200 mm	2160 × 1760 × 1200 mm	2160 × 1900 × 1200 mm
Machine weight	300 kg	340 kg	390 kg	410 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

LOADING AND UNLOADING NEW

Single Magazine Buffer

The Single Magazine buffer can be used as a mid-line loader or unloader, as a LIFO and FIFO buffer and as a reject buffer.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ **Standard and CAB magazines**
- ✓ 5 operative modes: Loader, Unloader, Buffer (LIFO/FIFO), Bypass and Reject mode
- ✓ Multiple pitches selectable
- ✓ Capacity: 1 magazine, discharged from the rear of the machine
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-ST-250A-SBL	IE-ST-330A-SBL	IE-ST-390A-SBL	IE-ST-460A-SBL
Size	M	L	LL	XL
Power	AC 110/220 V ±10 V, 50/60 Hz			
Air pressure	4–6 kgf/cm²			
Fixed rail	Front			
PCB size	350 × (50–250) mm	460 × (50–330) mm	535 × (50–390) mm	535 × (50–460) mm
Transfer height	920 ±50 mm or specify			
Direction	left to right or right to left (option)			
Magazine rack size	350 × 320 × 563 mm	460 × 400 × 563 mm	535 × 460 × 570 mm	535 × 530 × 570 mm
Pitches	1–50, 10 mm pitch			
Machine dimension	1120 × 1060 × 1200 mm	1320 × 1220 × 1200 mm	1500 × 1340 × 1200 mm	1500 × 1480 × 1200 mm
Machine weight	220 kg	240 kg	260 kg	280 kg

Custom made, standard and CAB magazines Built for your magazines and customized to your line.

BOARD LOADING AND BUFFERING

Vacuum Bare Board Loader

The Vacuum Bare Board Loader is used for automatically loading unpopulated boards at the beginning, or in the middle of a PCB assembly line. A stack of bare boards is placed underneath the belt conveyor. The bare boards are lifted one by one from the stack by vacuum and are gently lowered onto the belt segment ready for the downstream machine.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Large capacity
- ✓ Flexible suction design, suction position adjustable
- ✓ Bypass mode selectable without removing PCB stack
- ✓ Width adjustment system by hand crank
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-CT-350A-SL	IE-CT-460A-SL
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	700 × 735 × 1250 mm	800 × 870 × 1250 mm
Machine weight	150 kg	190 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

BOARD LOADING AND BUFFERING

PCB Destacker

The PCB Destacker is used for loading bare boards onto the PCB assembly line. A large stack of boards is placed above the ESD belt conveyor; the mechanism separates the bottom PCB from the stacker and lowers it onto the edge belt conveyor.



INTEON STANDARD

- Omron PLC control
- Touch screen
- SMEMA compliant
- CE certified
- CE safety cover in Europe
- 3-year warranty

OPTIONS

- Automatic width adjustment
- FOLLOW ME system
- Hermes / Industry 4.0
- Custom made

- ✓ Large capacity
- ✓ Short PCB cycle time
- ✓ Bypass mode selectable without removing PCB stack
- ✓ Motorized width adjustment by touch screen button
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-CT-350A-DU	IE-CT-460A-DU
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	600 × 850 × 1270 mm	600 × 950 × 1270 mm
Machine weight	190 kg	230 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

BOARD LOADING AND BUFFERING

PCB Push-up Stacker

The Push-up Stacker is used for restacking un-populated boards at the end of the line. Stacking is done by a pneumatic lifter, which gently raises the PCBs from the belt conveyor and adds the PCB, one by one, to the bottom of the stack.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Large capacity
- ✓ Short PCB cycle time
- ✓ Ergonomic unloading
- ✓ Motorized width adjustment by touch screen button
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-CT-350A-SU	IE-CT-460A-SU
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	650 × 810 × 1270 mm	650 × 910 × 1270 mm
Machine weight	150 kg	180 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

BOARD LOADING AND BUFFERING

Multifunction PCB Buffer

The Multifunction PCB Buffer is used for buffering PCBs in LIFO, FIFO, pass-through mode between SMT machines to improve working efficiency.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ 4 operative modes: FIFO (first in first out), LIFO (last in first out), reject, bypass
- ✓ Motorized width adjustment by touch screen button
- ✓ Storage capacity: 24 PCBs
- ✓ The status of each slot can be changed independently
- ✓ Tower light display for machine status
- ✓ Direction from left to right, or right to left (optional)

SPECIFICATIONS

Model	IE-CT-350A-BL	IE-CT-460A-BL
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	900 ±20 mm	
Direction	left to right or right to left(option)	
Buffer capacity	max. 24 PCBs at pitch 1	
Machine dimension	500 × 880 × 1650 mm	610 × 995 × 1650 mm
Machine weight	260 kg	300 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

CONVEYORS

PCB Conveyor

The PCB Conveyor is used in the PCB assembly line when frequent visual inspection of PCBs is required, can be used as an Inspection conveyor or a Linking conveyor.



INTEON STANDARD

PLC control | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Metal fabricated frame
- ✓ Width adjustment system by hand crank
- ✓ On request: motorized width adjustment by switch, or automatic by touch screen or FOLLOW ME
- ✓ Variable speed control
- ✓ Inspection and bypass mode selectable
- ✓ ESD flat belt, easy belt replacement
- ✓ Multi-zone concept available on request

SPECIFICATIONS

Model	IE-M-50LD-C	IE-L-50LD-C	IE-M-50LJ-C	IE-L-50LJ-C	IE-M-100LD-C	IE-L-100LD-C	IE-M-100LJ-C	IE-L-100LJ-C
Conveyor length	500 mm				1000 mm			
Power	AC 110/220 V ±10 V, 50/60 Hz							
Fixed rail	Front							
PCB size	50–350 mm	50–460 mm	50–350 mm	50–460 mm	50–350 mm	50–460 mm	50–350 mm	50–460 mm
Transfer speed	1–12 m/min adjustable							
Transfer height	920 ±50 mm							
Direction	left to right or right to left (option)							
Working light	no		yes		no		yes	
Machine dimension	500 × 650 × 900 mm	500 × 750 × 900 mm	500 × 650 × 1800 mm	500 × 750 × 1800 mm	1000 × 650 × 900 mm	1000 × 750 × 900 mm	1000 × 650 × 1800 mm	1000 × 750 × 1800 mm
Machine weight	50 kg	58 kg	60 kg	68 kg	70 kg	78 kg	82 kg	90 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

CONVEYORS NEW

PCB Reject Conveyor

The PCB Reject Conveyor is designed for good/bad PCB separation. It can also be used when visual inspection of the PCB is required without interrupting the PCB flow. The PCB is lifted up from the conveyor by metal fingers, enabling the following PCBs to continue downstream.



INTEON STANDARD

PLC control | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- Metal fabricated frame
- Reject, inspect and bypass mode selectable
- Width adjustment system by hand crank
- Variable speed control
- ESD flat belt, easy belt replacement

SPECIFICATIONS

Model	IE-M-100RC-C	IE-L-100RC-C
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	50–350 mm	50–460 mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	1000 × 650 × 900 mm	1000 × 750 × 900 mm
Machine weight	85 kg	95 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

CONVEYORS

AOI Rework Conveyor

The AOI Rework Conveyor is used for good/bad PCB Separation. The center segment moves up and down pneumatically, allowing separation without interrupting the flow of good PCBs.



INTEON STANDARD

Omron PLC control | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Bypass mode selectable
- ✓ 3 belt segments, providing possibility to buffer one failed PCB and three good PCBs
- ✓ Width adjustment system by hand crank
- ✓ Tower light display for machine status
- ✓ ESD flat belt, easy belt replacement

SPECIFICATIONS

Model	IE-M-3/150LR-C	IE-L-3/150LR-C
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	50–350 mm	50–460 mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	1500 × 730 × 1100 mm	1500 × 830 × 1100 mm
Machine weight	165 kg	180 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

LINE ROUTING

PCB Turn Conveyor

The 90° PCB Turn Conveyor is used for changing the direction of flow of a PCB assembly line. The PCB is transferred onto the built-in belt conveyor which turns either 90° clockwise or counter clockwise.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- Bypass mode selectable
- 90° turn, clockwise or counter-clockwise
- Width adjustment system by hand crank
- Sensor protection for safer operation
- Motor controlled, smooth and accurate rotation
- Tower light display for machine status

SPECIFICATIONS

Model	IE-CT-350A-TC	IE-CT-460A-TC
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Turning direction	90° clockwise or counter clockwise (option)	
Machine dimension	700 × 700 × 1250 mm	800 × 800 × 1250 mm
Machine weight	190 kg	230 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

LINE ROUTING

PCB Inverter

The PCB Inverter is used for inverting / flipping the PCBs to process the board at both sides without manual handling.



INTEON STANDARD

Omron PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Bypass mode selectable
- ✓ Short PCB cycle time
- ✓ Width adjustment system by hand crank
- ✓ Sensor protection for safer operation
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-CT-350A-IC	IE-CT-460A-IC
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	900 ±20 mm	
Direction	left to right or right to left (option)	
Machine dimension	500 × 920 × 1300 mm	600 × 1000 × 1300 mm
Machine weight	150 kg	180 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

LINE ROUTING

PCB Traverser

The PCB Traverser is used for transporting boards from one line into two lines or vice versa. The orientation of the board is not changed during traversing.



INTEON STANDARD

Omron PLC control · Touch screen · SMEMA compliant · CE certified · CE safety cover in Europe · 3-year warranty

OPTIONS

Automatic width adjustment · FOLLOW ME system · Hermes / Industry 4.0 · Custom made

- ✓ Width adjustment by hand crank
- ✓ Bypass mode selectable
- ✓ Traversing length specified
- ✓ Configuration upon request
- ✓ Front and rear stop positions by touch screen setting

SPECIFICATIONS

Model	IE-CT-350A-SC	IE-CT-460A-SC
Power	AC 110/220 V ±10 V, 50/60 Hz	
Fixed rail	Front	
PCB size	50–350 mm	50–460 mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Traversing length	specified	
Machine dimension	500 × W × 1100 mm	550 × W × 1100 mm
Machine weight	depends on length	

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

GATE CONVEYORS

Telescopic Gate Conveyor

The Telescopic Gate Conveyor is used for creating a passage in the PCB assembly line to give the operator access to the rear of the production equipment. The integrated conveyor segment slides across the opening upon request from the downstream machine when a board enters the unit. The conveyor returns to its retracted home position as the board is released, leaving a normally open passage in the line.



INTEON STANDARD

- Omron PLC control
- Touch screen
- SMEMA compliant
- CE certified
- CE safety cover in Europe
- 3-year warranty

OPTIONS

- Automatic width adjustment
- FOLLOW ME system
- Hermes / Industry 4.0
- Custom made

- ✓ Fully opening gate passage allows operator in/out freely
- ✓ Electrically driven for smooth extension and retraction
- ✓ Motorized width adjustment
- ✓ Through beam sensors for additional safety

SPECIFICATIONS

Model	IE-CT-350A-TG	IE-CT-460A-TG
Walkway	max. 900 mm adjustable	
Power	AC 110/220 V ±10 V, 50/60 Hz	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	(750–1700) × 720 × 1180 mm	(750–1700) × 820 × 1180 mm
Machine weight	255 kg	285 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

GATE CONVEYORS

Manual Lift Gate Conveyor

The Manual Lift Gate Conveyor is used when a passageway is required in a production line. By manually lifting the conveyor section, access is gained to the rear of the line.



INTEON STANDARD

Omron PLC control | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Cylinder assisted lifting motion
- ✓ Pneumatic locking device for safety
- ✓ Width adjustment by hand crank
- ✓ Tower light display for machine status

SPECIFICATIONS

Model	IE-CB-350A-GC	IE-CB-460A-GC
Walkway	600 mm	
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	1000 × 670 × 1200 mm	1000 × 770 × 1200 mm
Machine weight	110 kg	130 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

GATE CONVEYORS

Lowering Gate Conveyor

The Lowering Gate Conveyor is used when a passageway is required in a production line.



INTEON STANDARD

Omron PLC control | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Ergonomic air pressure supported opening and closing
- ✓ Automatic gate lowering by push button
- ✓ Pneumatic locking device for safety
- ✓ Width adjustment by hand crank

SPECIFICATIONS

Model	IE-G-350L	IE-G-460L
Walkway	500 mm	
Power	AC 110/220 V ±10 V, 50/60 Hz	
Air pressure	4–6 kgf/cm²	
Fixed rail	Front	
PCB size	460 × (50–350) mm	535 × (50–460) mm
Transfer height	920 ±50 mm	
Direction	left to right or right to left (option)	
Machine dimension	1300 × 530 × 1200 mm	1300 × 630 × 1200 mm
Machine weight	130 kg	150 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

WAVE SOLDER

Wave Solder Conveyors

The Wave Solder Infeed Conveyor transfers PCBs and pallets into the wave soldering machine. The Outfeed Conveyor unloads PCBs from the inclined conveyors of the wave and lowers the soldered boards to a standard conveyor height.



INTEON STANDARD

CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

FOLLOW ME (infeed) | Hermes (infeed) | Custom made

- Infeed: adjustable inclination angle
- Infeed: nylon chain transfer, variable speed control
- Infeed: smooth and parallel width adjustment
- Outfeed: angle adjustment at input and output ends
- Outfeed: heat-resistant ESD belt with non-slip surface
- Outfeed: optional fan for extra cooling capacity
- Robust, heavy-duty aluminium construction

SPECIFICATIONS

Model	IE-120LC	IE-120LW
Power	AC 110/220 V ±10 V, 50/60 Hz	
Fixed rail	Front	
PCB size	50–460 mm	
Direction	left to right or right to left (option)	
Machine dimension	1000 × 700 × 900 mm	1200 × 500 × (750–1200) mm
Machine weight	50 kg	60 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

PCB CLEANING

PCB Cleaning Machines

The PCB Cleaning Machines remove dust and particles from the PCB before printing: the contact version cleans with adhesive rolls, the contactless version with an ionizing air blower.



INTEON STANDARD

PLC control | Touch screen | SMEMA compliant | CE certified | CE safety cover in Europe | 3-year warranty

OPTIONS

Automatic width adjustment | FOLLOW ME system | Hermes / Industry 4.0 | Custom made

- ✓ Contact: adhesive clean roll removes dust
- ✓ Contact: draw-out design for easy change of adhesive rolls
- ✓ Contact: ionizer for removing static electricity (option)
- ✓ Contact: PCB counter with pre-warning for the adhesive rolls
- ✓ Contactless: Keyence ionizing air blower
- ✓ Contactless: powerful external dust collector
- ✓ Contactless: electrostatic detection function
- ✓ Smooth and parallel width adjustment

SPECIFICATIONS

Model	IE-CT-350AS-PC	IE-CT-460AS-PC	IE-CT-460W-PCC
Power	100–230 VAC (specify), 180 VA max.		AC 110/220 V ±10 V, 50/60 Hz
Air pressure	4–6 bar		6–8 kgf/cm²
PCB size	(100 × 50) - (450 × 350)	(100 × 50) - (535 × 460)	
PCB thickness	0.4–5 mm		
Belt speed	0.5–20 m/min or specify		–
Transfer height	920 ±50 mm		900 ±20 mm or specify
Direction	left to right or right to left (option)		
Adhesive roller	2 pcs		–
Cleaning roller	1 piece		–
Ionizing bars	–		2 pcs
Dust collectors	–		1 unit
Cycle time	Approx. 8 seconds		–
Machine dimension	710 × 710 × 1265 mm	810 × 810 × 1265 mm	780 × 1000 × 1450 mm
Machine weight	140 kg	160 kg	360 kg

Custom made We can customize this machine: board size, transfer height, pitches, interfaces and layout.

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MANUFACTURER

INTEON Corporation Limited

RM A07, 1701-02 New Trend Centre
704 Prince Edward Road East
San Po Kong, KLN, Hong Kong
E-mail: **info@inte-on.com**

DISTRIBUTOR FOR EUROPE

InterElectronic Hungary Kft.

2461 Tárnok, Pacsirtamező 3 D/1
Károly Peics **+36 30 296 45 05**
David Peics **+36 30 217 1226**
E-mail: **info@interelectronic.com**

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