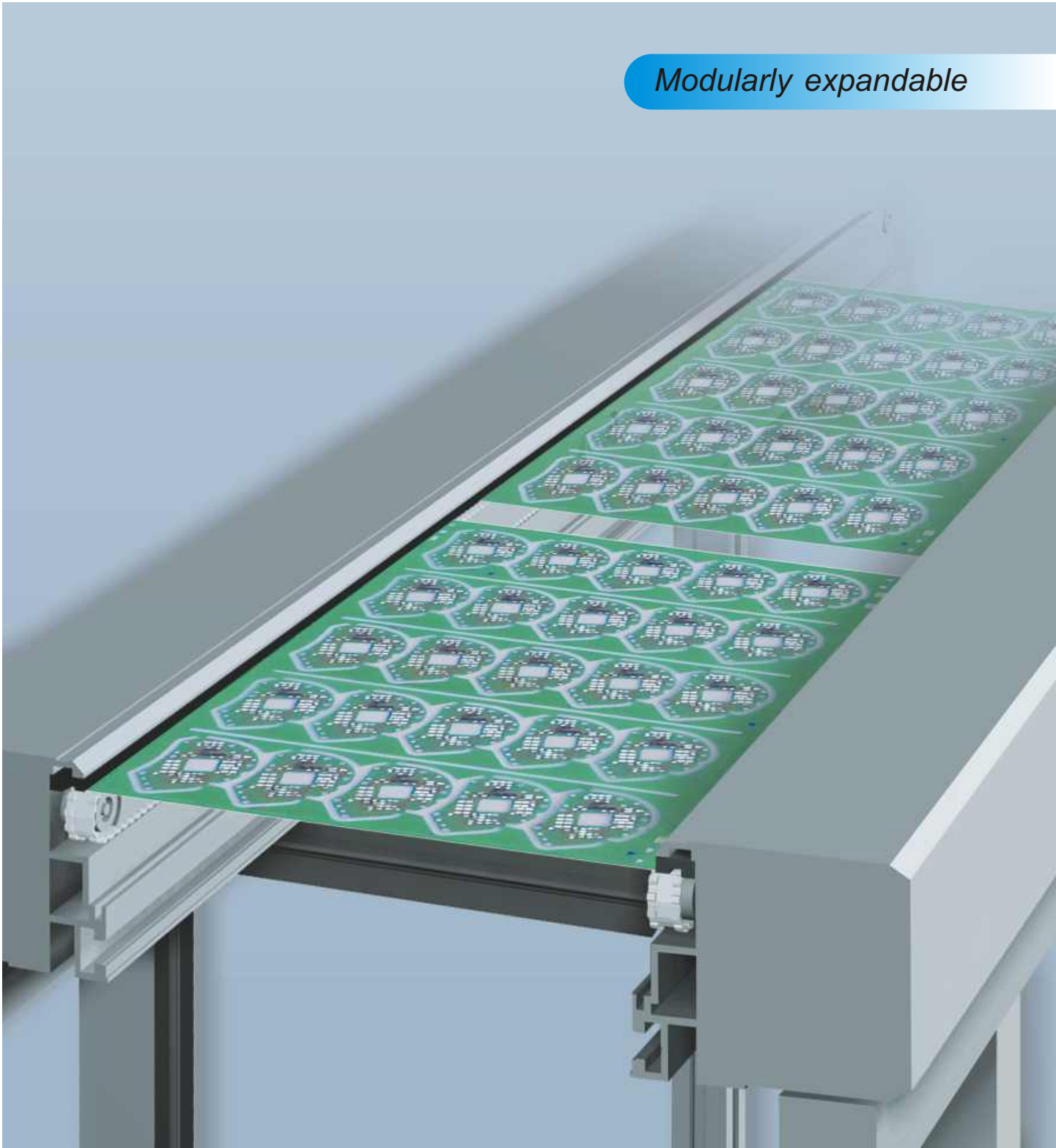


Conveyors

for circuit boards, work-piece carriers, solder frames

Modularly expandable



Conveyors

General characteristics

- Transport width
M series: 50 ... 260 mm
L series: 50 ... 500 mm
- Length of conveyor
400 mm ... 2.400 mm
- Number of segments 1...6
- Length according to customer's requirements
- Transport height 830±20 mm or 950±20 mm or specific to customer
- Transport speed
5, 9, 18 m/min
- Progressively adjustable speed control optional
- Width adjustment by shifting, with hand wheel or motor-regulated
- Control electronics integrated in conveyor cheek
- ENGMATEC TECONA PLC control
- Communications interface SMEMA, Siemens or as required
- Design meets CE, electrostatic and safety regulations

Manual assembly place
WP 40



Conveyor CT 15
1 segment



Conveyor CT 35
3 segments



Conveyor CT 21
double track



Work places

Manual assembly places

- Basic equipment as for standard conveyor
- 3 segments
- Pass and assembly function
- PCB stop with slow down
- Short PCB changing time
- Active or passive clinch device available
- Extra constructions for component containers and auxiliary devices
- Adjustable workplace lighting
- Arm rests
- Ergonomic adjustable foot rests
- Hand or foot switch for PCB release

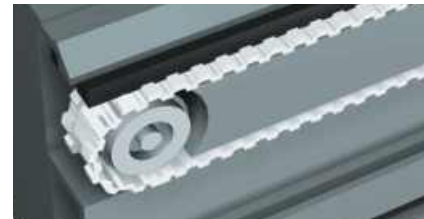
Inspection places (not illustr.)

- Equipped like manual assembly places
- Options
- Adjustable observation angle for visual check
 - Lifting device
 - Counter for sampling check

Technical details

Transport with toothed belts CT double-toothed for PCB

- Centrally milled
- Circuit board margin 3 mm
- Intake runners



Transport with toothed belts CF for work pieces, solder frames

- Segmented or pass-through operation with separation
- Margin 16 mm
- Higher motor performance



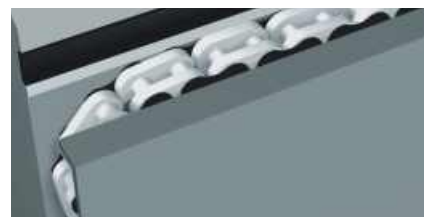
Transport with flat belts CB for PCB

- Segmented
- Margin 3 mm
- Intake runners



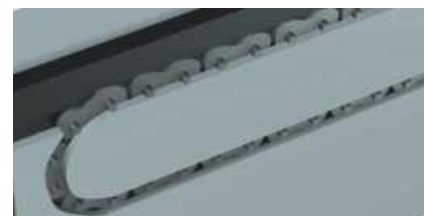
Transport with sliding chain CS for work-piece carriers, pallets

- Pass-through operation with separation
- Margin 25 mm



Transport with pin chain CC for PCB, work-piece carriers

- Segmented
- Margin from 3 mm
- Use under extreme conditions, e. g. cold, heat, pollution



Transport with roller chain CR for PCB, work-piece carriers

- Pass-through operation with separation
- Margin 3 mm
- Low on boards pressure



Products and performances

Handling and transport systems

- for circuit boards
- for solder frames
- for work-piece carriers
- Transport conveyors
- Vertical lifts
- Horizontal lifts
- Turning stations
- Flip units
- Loading/unloading units
- In-line buffer (FIFO/LIFO)
- Turning lift stations
- Path through stations
- Systems with manual and automatic magazine handling

Test systems

- In-line or autarkic
- Manual or automatic process
- In normal or extreme temperature ranges (alternating from -40°C to 125°C)
- In-circuit test
- Function test
- Test with automatic alignment
- Picture processing
- High frequency
- Special test systems

Special systems

- Handling and transport
- Automatic assembly

Inter-linking of manufacturing processes

- TECONA products
- Products from other sources
- Planning
- Handling and transport systems
- Integration of manufacturing systems
- HOST communication
- Process visualisation
- PPS
- Data remote transmission