

Soluzioni per l'industria



## **CASE WORKER**

**Semi-automatic Hand Packaging**



- **Integrated Turn-Key solution**
- **Fast & Easy Set-Up**
- **Minimal Footprint**
- **High level of ergonomics**
- **Increased productivity and higher profit.**

**CASE  
HANDLING  
SYSTEMS**

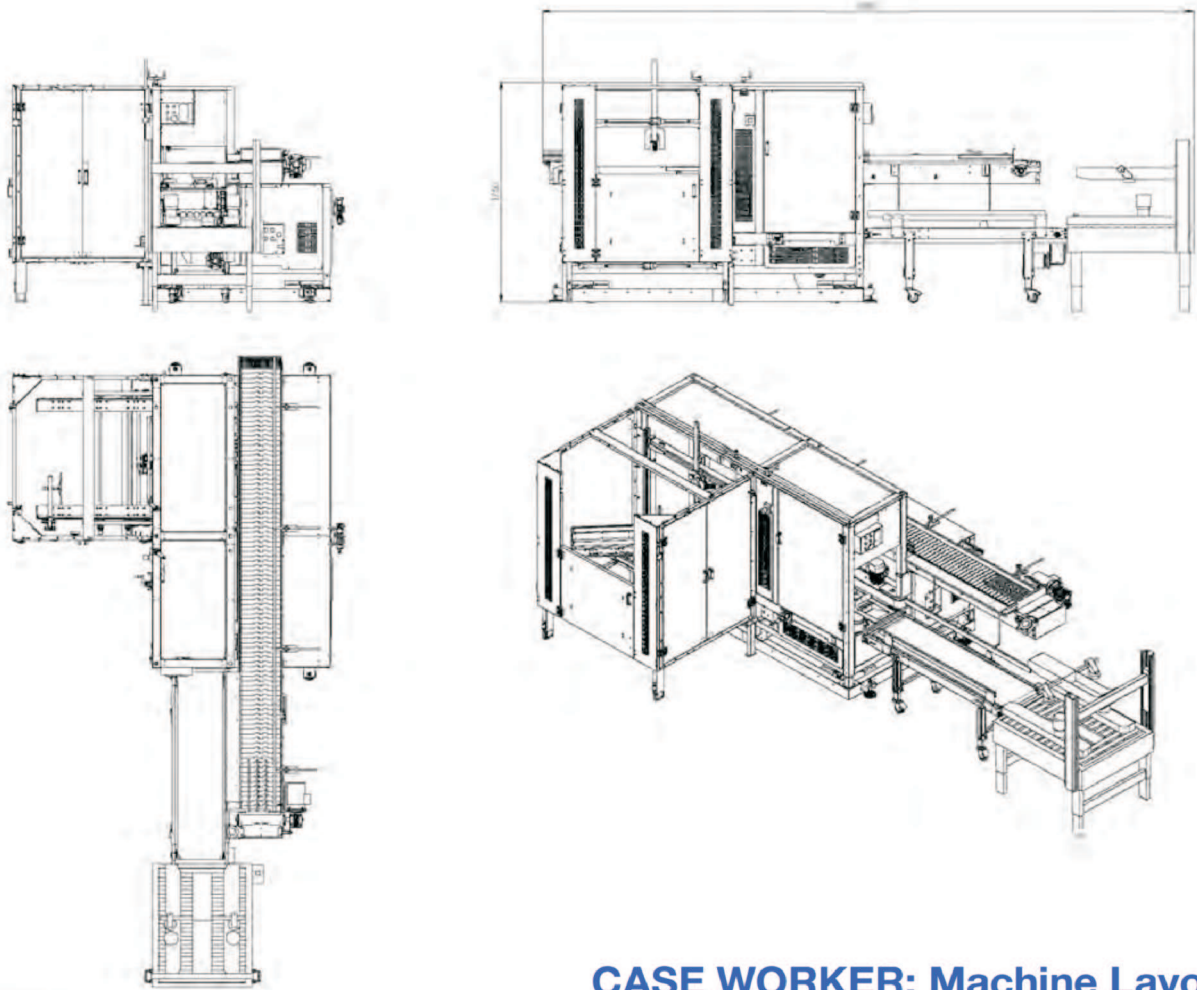
Two possible standard configuration available :

Nr.1 :

- CASE WORKER-T without bottom taping unit.
- CT1 1,5 mtr belt conveyor that moves empty boxes to filling position.
- Goods conveyer Belt conveyer system to transport goods at filling position.
- S8 Top & Bottom case sealing.

Nr.2 :

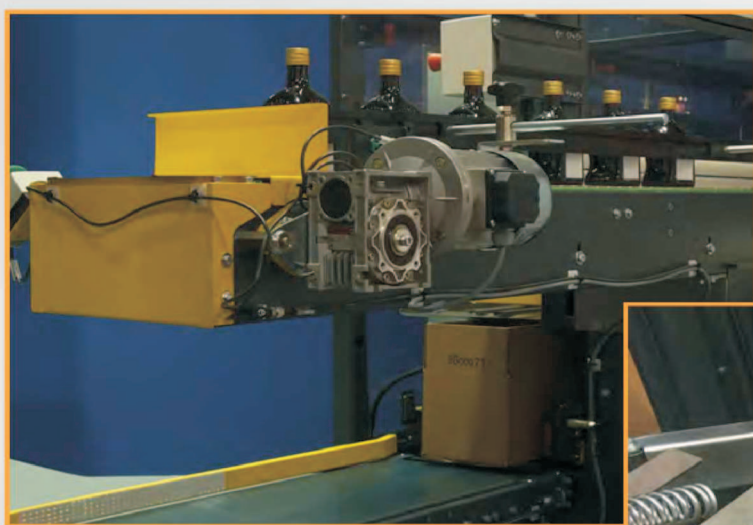
- CASE WORKER-TB with bottom taping unit.
- CT1 1,5 mtr belt conveyor that moves empty boxes to filling position.
- Goods conveyer Belt conveyer system to transport goods at filling position.
- S8 Only Top case sealing.



**CASE WORKER: Machine Layout**

SIAT CASE WORKER® new packaging system significantly increases the efficiency over standard manual packaging system. CASE WORKER® seamlessly integrates an automatic case former, a hand pack station and a case sealer gathered in a compact ergonomic working cell. CASE WORKER® rigidity ensures its longevity and trouble-free operation.

SIAT CASE WORKER® should be chosen instead of automatic packing station for processes where : products require inspection prior to packing, there is short run of variable products, products are difficult to handle automatically, packaging operations where full automation is infeasible or not economically justified etc.



**Belt conveyor for feed-in products.**



**New carton storage design and concept.**

This packaging system optimized the hand packing process, by also including a positioning system for the carton boxes and products to be loaded. Thanks to its ergonomic design, the operator efficiently and comfortably packs the products inside the boxes avoiding repetitive movements of their wrist and arms.

The adjustable onward movement and accumulation of the products on the belt conveyor in combination with the feeding of the boxes controlled by the operator, enables the maximum system flexibility.

Such hand pick and pack system, offers the well-known sturdiness of SIAT machine along with ease of maintenance. Additionally our over the years expanded network ensure the support of all SIAT manufactured machines.

## CASE WORKER

### Key features of the CASE WORKER® hand -packaging station are :

- One integrated line with all functions ( Forming, Arrival, Packing, Sealing)
- The feed-in process of the pre-shaped box on belt conveyor controller by the operator
- Shaped Carton boxes positioning system
- Carton boxes magazine easy to be filled up
- Sturdy metal carrying frame resistant to corrosion
- Fast and easy adjustment to different box sizes without any tool – all adjustments are possible with hand-wheels complete of regulators & counters
- Case sealer SIAT machine
- OMRON PLC controlled (other brand on request) for easy integration as part of a whole line.
- Control panel equipped with : Box counter – Box timer to set up productivity per minute - Brake/end tape alarm - Full line alarm after the machine
- Executions with boxes arrival either from operator's right or left side

### Additional Options :

- Products conveyor height adjustment allowing optimal hand packing position at various box sizes.
- Possibility to add a second and third hand packaging station
- Selection between 2" or 3" taping machines
- Horizontal cartons magazine with increased storage (250 boxes approx.), allowing for higher autonomy
- Possibility to use top & bottom sealing machine (SK2) instead of side sealing (S8)

### Technical Details :

- Gravity storage for 90/100 boxes (based on cartons thickness)
- Carriages moved by pneumatic system
- Vacuum suction system based on Venturi Technology
- Motorized driving belts equipped with 2 x Motors HP 0,13 each
- Taping units K11 (50mm of tape width) or K12 (75mm of tape width)
- Machine controlled by PLC to synchronize the different machine movements
- Doors with safety switches that stop electrical & pneumatic supply when opened
- **Max production capacity up to 10/12 bpm depending on box sizes**

### Box Sizes

Min. L.	220	W.150	H.220*
Max. L.	560	W.350	H.450

\* Rules to determine minimum W & H. Processing boxes with H < 220mm leads to a corresponding Increase of minimum W so as to always :  $W + H \geq 370\text{mm}$ .