

RP 215 Robotic Case Packer



Top Load Versatility

The **RP 215** is a flexible robotic solution to your top load case/tray packing needs. One of the unique abilities of the **RP 215** is the machine's capability to handle a very wide range of product sizes and weights. The **RP 215** can pack small light products and or large heavy products, in different pack patterns, with a wide range of case sizes. Changeover time is less than 5 minutes, done via the operator touch screen.

What distinguishes the **RP 215** from the other types of top load case packers, is its high-speed, high payload and gentle product handling, minimizing product damage.

The packer is a 2 axis gantry robot with a multi-element adjustable vacuum/mechanical gripper customized to your various products. This allows the **RP 215** to provide efficient product transfers of up to 15 layers per minute for a diverse group of products.

High Performance & Value

For over 40 years, Edson has been designing and building Case Packing automation and has been satisfying customer demands for reliability, adaptability and speed. These basic principles are the driving force behind our latest line of flexible case packers. By using our time-tested product handling techniques, combined with the latest servo technologies, we can offer a case packer to meet the most demanding requirements.



In line bottle 'accumulation & reject' station



Side View of RP 215 with solid & clear guarding package shown

creativity CRAFTSMANSHIP
technology

 **EDSON**
PACKAGING MACHINERY

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DESCRIPTION of OPERATIONS – Edson RP 215

RP215 case packer provides flexible **tray and case** packing.

Products are conveyed onto the Edson transfer conveyor, and can be diverted onto the customer off-line accumulator, if selected. In normal operation, the product will be transferred into the 'single layer' collator, which is a pneumatic transfer device that forms the layer by consecutive rows onto an accumulation table.

Concurrently, the operator enters the packing area, and manually places an empty case into the case packing station. Once the case is nested, the operator leaves the protected zone and activates the loading sequence. The **RP 215** picks a layer of collated product, by means of its multi-element vacuum gripper, and places the layer into the case. The **RP 215** has the range to place up to 4 layers into the case, depending on specific product heights. The fully packed case is then discharged from the packing station to the case sealer.

Once the case is discharged with a full load of product, the operator then re-enters the packing zone to repeat the sequence.



Quick Change Tooling for each product matrix, reduces tooling change over time to less than a minute.

Feature	Function	Benefit
Machine simplicity with an effective combination of servo and pneumatic motions	<ul style="list-style-type: none"> • scalable for many applications to minimize customization • proven case packing concept 	<ul style="list-style-type: none"> • inexpensive to operate & maintain • easy to set up and operate
Enhanced Operator Safety & Ergonomics	<ul style="list-style-type: none"> • Integrated light curtain • Interlocked side access door 	<ul style="list-style-type: none"> • maximizes operator safety without affecting machine performance
Edson 'flexible' design for a wide range of SKUs	<ul style="list-style-type: none"> • easily adapted to new product types, and sizes and case range 	<ul style="list-style-type: none"> • customer gets the machine configured to their specifications
Easy to Changeover	<ul style="list-style-type: none"> • few change points, with servo adaptability to new products • quick change components 	<ul style="list-style-type: none"> • maximizes line production • operator friendly

