



RPL

Robotic Module



▣ Anzani's Surplus

- Maximum production optimization
- Great time saving
- Great labour saving
- Low working process
- Automatic heat treatments
- Suitable for any type of footwear
- Made in Italy

▣ Overview

RPL is a **working module**, which allows all operations between the heel seat lasting and the sole press to be carried out **completely automatically**, without the aid of operators.

The module can be configured according to the type of shoe to be produced. It can be equipped with a **heat setter (Ecojet Robot)** which, after the treatment, puts the shoes in the exact picking point by the **first robot**, which can perform one or more operations (roughing, milling, pounding, cementing) and then give the shoes to a **second robot** to perform other operations or load a **cement dryer/reactivator (Turbo dry, Robbelt)**, which can return shoes at the same point of loading or at a different point.

The number of robots to be used depends on the required output and on the model that will be produced, then on the necessary processing (roughing, one or more cementing, etc.)

▣ Where and Why?

When the **labor cost** undermines the competitiveness of footwear manufacturers, it is necessary to invest in **robotic systems** that allow a **high labor saving and rapid amortization**. The perfect location for RPL is the **working islands** where flexibility is more important than very high volume. This solution offers **maximum flexibility**, as each robot can perform **several operations** and the layout can be modified according to future needs, adding or removing robots, for variations in the type of shoe or quantity of shoes to be produced.

Machines available for RPL

	ECOJET 2 ROBOT	TURBO DRY 3 ROBOT	TURBO DRY 8 ROBOT	ROBBELT
Description	The version of our heat setter Ecojet, developed to work in synchrony with the robot station for pounding, roughing and cementing. Also in this version we installed infrared NIR lamps, which allow an excellent treatment in a shorter time and with a lower consumption compared to traditional heat setters.	Rotary dryer-reactivator, it is the evolution of Turbo Dry 3, enhanced to work in synchrony with the robot, for pounding, roughing and cementing. The drying technology is the vacuum system, together with heaters, which allow an excellent bonding of the upper to the sole. The machine consists of 6 rotary sides with 3 loading levels: from the bottom up, soles, priming and cementing.	Rotary dryer-reactivator, it is the evolution of Turbo Dry 8, enhanced to work in synchrony with the robot, for pounding, roughing and cementing. The drying technology is the vacuum system, together with heaters, which allow an excellent bonding of the upper to the sole. The machine consists of 8 rotary sides with 2 loading levels: from the bottom up, soles and cementing.	Cement dryer and reactivator that incorporates a conveyor: the entry is loaded by the robot, after the glue application, once the shoe gets treated, it can be manually unloaded or can be picked by the next robot for the second coat of glue. This dryer uses infrared NIR lamps, which allow an excellent treatment, in a short time and with a low energy consumption.
NIR lamps system	✓	✗	✗	✓
Vacuum-heaters system	✗	✓	✓	✗
Dryer-reactivator for 1 coat of glue	✗	✓	✓	✓
Dryer-reactivator for 2 coats of glue	✗	✓	✗	✗
Soles reactivation	✗	✓	✓	✓
Load of the shoe in one point and unload of the shoe in another point	✓	✓	✓	✓
Load of the shoe in one point and unload of the shoe in the same point	✗	✓	✓	✗