

Robotic Module for Ironing, Roughing, Cementing and Cement Drying



▣ Anzani's Surplus

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

▣ Overview

RPL is a cell system module, which carries out all the operations between the heel seat lasting and the press, fully automatically, without any operator. This new module consists of:

- **Ecojet Robot**, low consumption heat setter, for ironing and stabilization of the shoe, adapted for allowing the robot to withdraw the shoe, at the end of the treatment.
- **Flexorobot** with 6 axes, which withdraws the shoe from Ecojet 2 and carries out roughing and glueing, than loads the shoe in the vacuum dryer Turbo Dry 3 Robot. The robot's software allows to carry out roughing and glueing according to the model and the size of the shoe.
- **Turbo Dry Robot**, rotary vacuum dryer, which gets loaded by the robot, once for drying the primer and the second time for drying and reactivating the glue, one operator will carry out the sole laying, then will press and will load the shoe in the chiller.

▣ Where and Why?

When the growing **labour costs** put in risk the competitiveness of the shoe factories, it is necessary to invest in robotic systems that allow a high labor cost saving and a **quick payback**. The perfect location for RPL are the **working modules** for producing small quantities for each model. To each robot can be assigned up to **3 operations**: roughing, priming and cementing. A single robot can carry out one, two or all the operations, of course, it will vary the quantity of produced pairs.

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	✗	✓	✓	✗