





HV-02 is the only gun with a transfer coefficient * greater than 92%, certified by Fraunhofer Institute (Germany).

** percentage that defines the ratio between the chemical product deposited on the hide and the total chemical product delivered by the gun during the spraying process.*

Made in Italy

HV-02 is a gun for leather finishing of any type and purpose of use, the result of over 30 years of Todesco experience.

HV-02 is completely designed, built, and assembled in Italy, and is the result of over 1000 prototypes and an unstoppable research and development activity, confirmed by the presence of 10 patents.

Over the past 30 years, Todesco has installed over 15,000 spray guns in the best tanneries around the world.



Reduction in chemical consumption up to 40% **

The capacity to pulverize the chemical product to be transferred to the hides is excellent, and thanks to its high efficiency, the dispersion of color due to rebound, is minimized.

A finishing of unparalleled quality

The uniformity of the film deposited on the hide, the fineness and the distension of the chemical product, are incredible. Thanks to a special technology that allows the spraying flames to always remain stable and precise, the leather will have no stripes, dots, or any other kind of defect.

Unlimited possibilities

HV-02 is appreciated in the leather goods sector for the delicacy and lightness of the spraying when it comes to effects, in the automotive sector for the absolute precision and constancy of the coating even after many finished hides, and in furnishings for the total flexibility in spraying heavy coatings and foams

HV-02 works with water-based and solvent-based products, and with viscosity *** from 15 to 120 sec.

*** value calculated versus competitor's spray systems
*** viscosity measured in Ford Cup 4*



Patents



IT1267753



IT1267752



ITVI20020282



ITUB20155039



IT102015000064558



IT102014902224611



ITUB201586517



IT102015000064568



ITVR20120018



ITUB20154903



Needle tips

In AISI 304 stainless steel and separated from the rod, therefore easily interchangeable without having to disassemble the gun.

Nozzles

In AISI 304 stainless steel. The head is interchangeable, while the main body is single and standard. The needle tip insists on a PTFE gasket, for this the nozzle outlet orifice, never wearing out. The nozzle is very easy to clean and there is no risk of damaging it when using brushes with a metal core.

Nozzle heads

The particular design of the nozzle heads gets the maximum stabilization of the color flow of color and minimizes the backward pressures due to the atomization air. The measures (mm) are available: 0.7 / 0.8 / 1.0 / 1.2 / 1.4 / 1.6.

Atomizers

In AISI 304 stainless steel, benefits of a significantly longer life than traditional brass or bronze products. Thanks to an absolute precision in construction, with dimensional tolerance in the order of μm , the balancing of the air flows is precise, and this guarantees extraordinarily homogeneous and stable flames.

Endless life

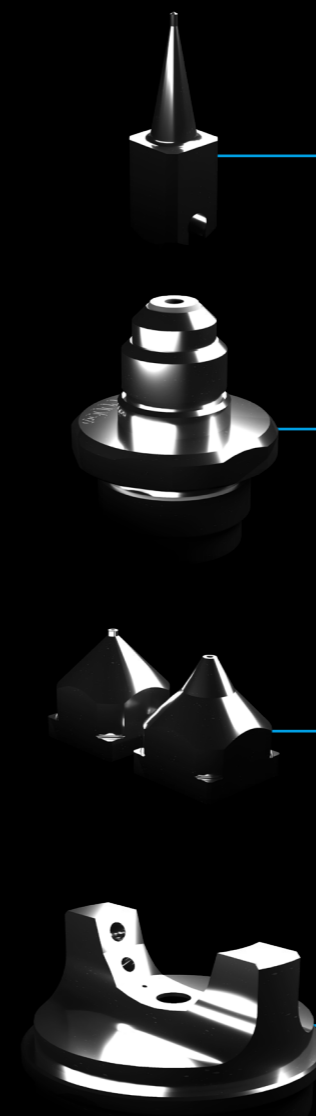
The parts in contact with chemical products and all components subjected to high mechanical stresses are in AISI 304 stainless steel and made with absolute precision to ensure strength and resistance to corrosion.

Simple, not trivial

It does not require adjustments, either of the atomization air or of the nozzle counter clicks.

Very low working pressure

Range from 0.15 to 0.6 bar with a maximum air consumption below 400 NI / min. HV-02 is the most efficient gun currently available on the market.



Regulators

Product regulators

Todesco's product regulators eliminate the need to use the traditional counter click in the gun, which is the source of malfunctions as well as the irregularity of the flames due to the non-axiality between the needle tip and the nozzle orifice.

RPN-12

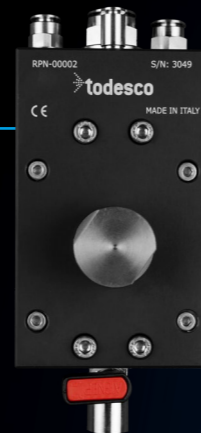
It allows to adjust each single gun by means of an external counter click with a 4 mm diameter shutter. The gun can thus dispense a quantity of product, from a single drop, up to the maximum allowed by the installed nozzle. For this, even without changing nozzle size, it is possible to space from very low quantities (effects and top coating) to heavy coatings (base and top color).



RPN-03

It is an automatic product regulator, which, in addition to the advantages of a manual regulator, allows the calibration of the color flow simultaneously in all the guns, minimizing the setup time.

All product regulators are equipped with 8 mm diameter taps for washing and quickly draining the circuits and the regulator itself, without only passing through the nozzle of the gun.



Air regulators

ARP-03

Applied to each gun, it allows for it maintains the air circuit stable at the typical general air pressure which is then reduced to the minimum value required for the atomization, in the proximity of the gun. This innovation allows a perfect adjustment of the color atomization, simultaneously on all guns, which therefore does not undergo variations in the event of pressure losses in the main air circuit.



Types of installations

Products installed on 8 guns	Basic	Plus
HV-02	8	8
RPN-12 or RPN-03		8
Single air regulator	1	
ARP-03		8
External air controller	1	1
External product controller		1 (only with RPN-03)

Products installed on 12 guns	Basic	Plus
HV-02	12	12
RPN-12 or RPN-03		12
Single air regulator	1	
ARP-03		12
External air controller	1	1
External product controller		1 (only with RPN-03)

Products installed on 16 guns	Basic	Plus
HV-02	16	16
RPN-12 or RPN-03		16
Single air regulator	1	
ARP-03		16
External air controller	1	1
External product controller		1 (only with RPN-03)



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