

INJECTO 05



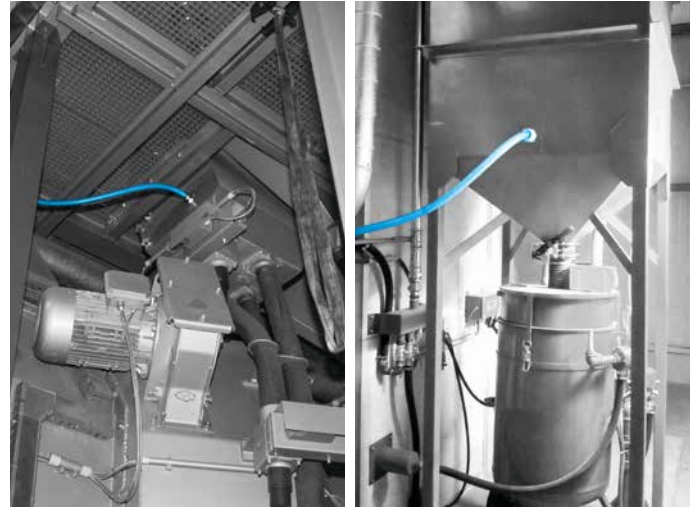
Oil-free surfaces without the elbow grease
... automatic and process reliable

Convince yourself. www.pantatec.com

PantaTec
FAST METAL CLEANING SYSTEM

Blast oily parts with **ULTIMATE** - done. Now also automatic and process-reliable!

PantaTec **ULTIMATE** blasting media additive is used for cleaning metallic blasting media and improving the blasting results in blasting systems. Greases and oils caused by manufacturing are thoroughly and effectively separated from the blasting media, the blasting system, and - most importantly - from the work piece and bound to the additive. The resulting ultra-fine particles of additive and oil / grease are then removed by the usual air-wash separation and the dust collectors from the blasting process. With PantaTec **ULTIMATE** you can blast oily metal surfaces without problems and e. g. even directly coat them.



Assembly in
Wheel Blasting

or
Compressed Air Blasting

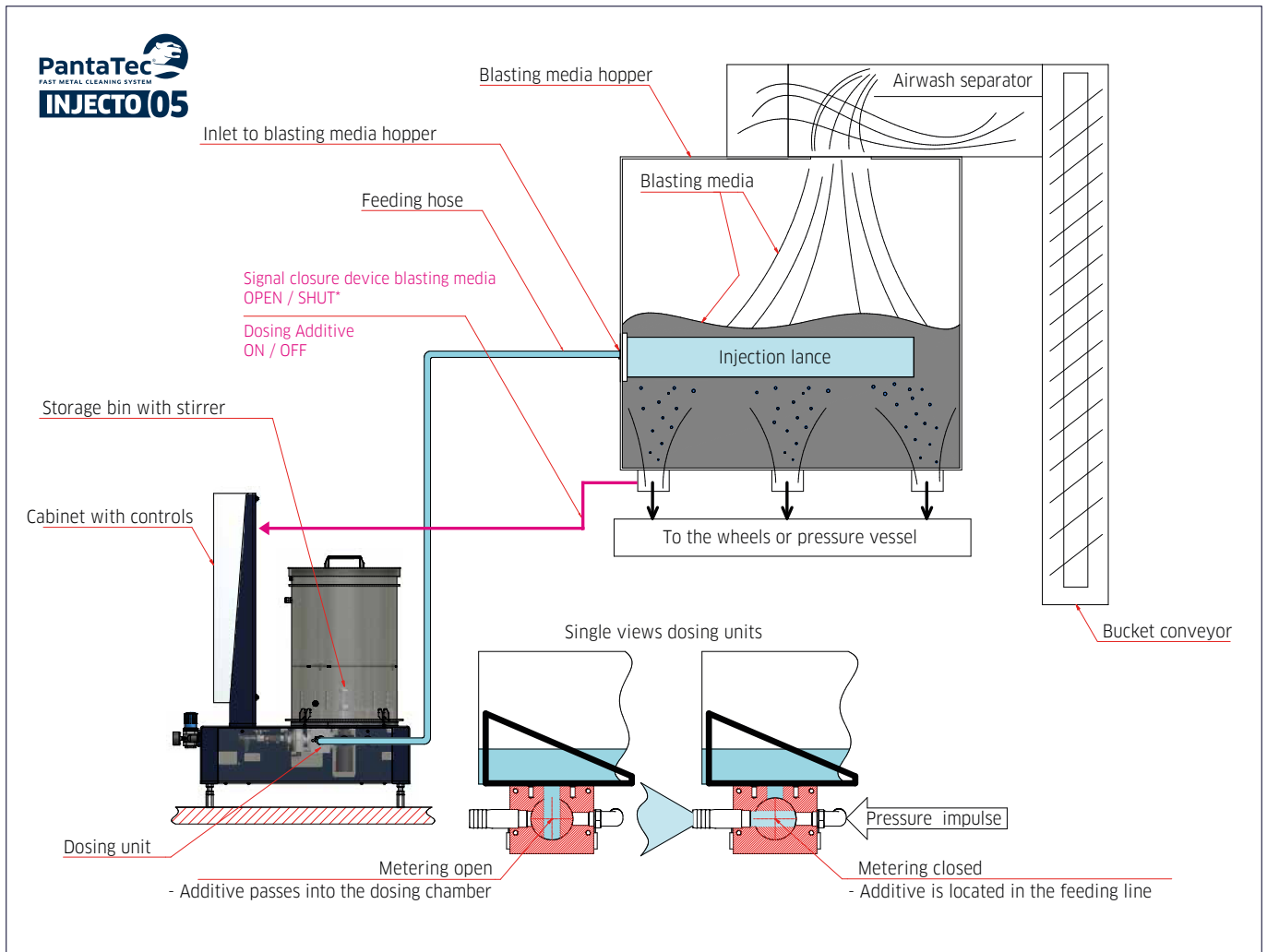


The dosing unit **INJECTO 05** injects the cleaning additive directly and automatically into the blasting media

Important: Process reliability Automatic dosing **INJECTO 05**

The **INJECTO 05** dosing unit ensures even more process reliability with the use of **ULTIMATE** blasting media additive. The additive is introduced in the desired quantity directly into the blasting media by way of a pneumatic injection principle via feed line and injection lance. The injection lance is positioned in the core flow of the blasting media, so directly in the feed flow to the wheels or the pressure vessel. The blasting media takes up the additive and mixes this. The additive immediately takes effect and peels away oils and greases.





Functional diagram PantaTec INJECTO 05-01

Installation of the dosing unit

The INJECTO 05 can also be installed on virtually any blasting system easily and with little effort, even when subsequently installed. First, empty the blasting material hopper down to the installation level of the injection lance.

Mounting of injection lance and inlet for feeding line, drill holes, 1 each $\varnothing 9$ mm and $\varnothing 51$ mm into the wall of the blasting media hopper according to drilling jig supplied. Place the injection lance in the core flow of the blasting media and screw into the side wall. Place the dosing unit with the integrated control unit in the area of the blasting system at a accessible but sheltered position. Connect the outlet of the dosing unit for the additive by the hose (1") with the injection lance.

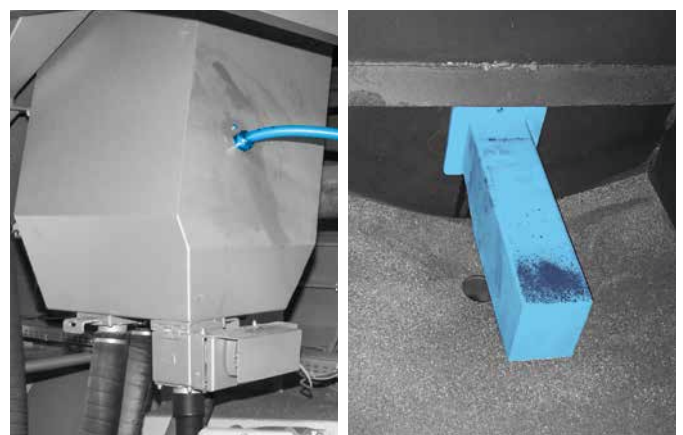
Only a standard Schuko socket (230 V, 16 A) is required for the electrical connection. In addition, a 6 bar compressed air supply (dry and oil free) is required. The connection to the dosing feeder is made via a compressed air hose (1/2") with quick coupling.

Dosing control

The dosing unit is linked to the control of the blasting system in such a way that additive is introduced only during active blasting. For wheel blasting systems, the control signal for the closure elements (shell slider) is utilised, in air-blasting systems, the

signal of the dead-man switch is utilised. The desired amount of additive is entered in clear text using the display of the dosing control from 0 - 5 liters per blasting hour for each dosing feeder. It takes approximately 0.5 - 1.0 litres of additive per hour and per blast wheel, for air blasting approximately 0.5 - 1.0 litres per blasting tube. The fill level monitor reminds the operator in good time to subsequently add a full bag of additive (approx. 50 litres) into the storage bin.

Feeding line into blasting media hopper and injection lance inside



PantaTec INJECTO 05 - consisting of:

Basic frame with storage bin and cover

Total height:	approx. 1200 mm
Overall width:	approx. 800 mm
Total depth:	approx. 450 mm
Volume of storage bin:	approx. 70 liters
Total weight, type 05-01, empty:	approx. 95 kg



Connections compressed air, electric power and feeding line

Pneumatic dosing unit

Stirrer for filling the dosing chamber, rotary feeder with pneumatic conveyor line, pneumatic injection lance for introducing the additive into the blasting media.

Variants

The INJECTO 05 dosing unit can be equipped with up to 3 feeders and 3 injection lances.

These can be operated in 1 blasting machine or even in 3 separate systems.

Note: The adjustable dosing quantity in litres/hour is the same for the 3 injection lances or consumers.

However, the consumers are triggered independently as needed.

Depending on the operating state of the consumer, blasting or idle/stop, the dosing feeders are activated/deactivated separately.

Conveyor length and conveyor height from the dosing unit to the injection lances using special hose 1":

Maximum total conveyor length for each dosing feeder: approx. ca. 30 m

Maximum total conveyor height for each dosing feeder: approx. ca. 10 m

INJECTO type	05-01	05-02	05-03
Number of dosing feeders	1	2	3
Possible number of consumers/injection lances	1	1 - 2	1 - 3
Possible dosage	1 x 0 - 5 l/h	2 x 0 - 5 l/h	3 x 0 - 5 l/h

Control

Electrical:

On/off switch

Activation by external signal from the control unit of the blasting system,

Setting of flow rate via the PLC display in clear text,

0-5 litres per blasting hour per dosing feeder

Monitoring the level in the storage bin, alert of minimum fill level

Control cabinet integrated, IP54

Wired ready for connection to power supply and all necessary signal and control cables, supplied by customer

Electrical connection: 230 V, 16 A, Socket connector with cable length 1 m

Pneumatics:

Compressed air supply, 6 bar, dry and free of oil

Connection with quick coupling, hose 1/2" supplied by customer

In principle, the dosing unit is ready for self-assembly.



Setting Dosing
„green“ + 25 ml/h
„red“ - 25 ml/h

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