

TRUCK SAMPLER mod. CC02
OPERATIVE SPECIFICATIONS

Application:	The CC02 Truck Sampler is designed exclusively to carry out automatic sample pick-up of a known quantity of tomatoes directly from the delivery vehicle
Sampling height limits:	Min. 1400 mm from ground level Max. 2950 mm from ground level
Sampler pick-up capacity:	Max. 100 kg
Picked-up sample:	Max. 25 kg
Basic functions:	Particularly deep coring depth which allows sample taking, using a high-penetration cylinder, even from the bottom most layers. High-speed coring operations. This means more than one sampling operation can be carried out on the same truck within a very short space of time.

GENERAL SPECIFICATIONS

Power Supplies:	Electric: AC 3/N/PE 230/400V ±10% 50...60Hz 3.5kW Connected via terminal board connections Hydraulic: Oil tank capacity 55 l
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CONSTRUCTION FEATURES

Execution:	The CC02 Truck Sampler is composed of a metal beam attached to a special bridge structure (standard) or an overhanging structure along which a sample pick-up probe is manoeuvred Essentially is made up of: <ol style="list-style-type: none"> 1) Manipulator 2) Sample pick-up probe unit 3) Oleodynamic unit 4) Electrical switchboard and control console
Manipulator:	Double axis bridge/overhang with rackwork movement. In the adjustable height version for bin sampling, the position of the beam is electrically adjustable in a vertical direction and driven by suitably sized oleodynamic cylinders. Adequate electrical limit switches establish all manoeuvring limits and synchronize the functioning of the manipulator's automatic cycle. Painted in "BLU RAL 5003"; highly resistant to atmospheric conditions.
Sampling probe:	The product is picked up by a jaw system. Thanks to an orbital motor and a rack, the probe can move in a horizontal direction towards the body of the delivery vehicle in order to select the sample pick-up point (which is hence variable for each vehicle). The probe is constructed from a special denticulated cylinder in AISI 304 stainless steel.
Sampling system:	Basket Crate-Holder in AISI 304 stainless steel; automatically activated during the functioning cycle, it positions itself underneath the cylinder and allows the bowl to collect the sample of tomatoes picked up by the probe. Cone discharge hopper for the determination of a sample more or less indicative of the product, constituting the "heart" of the sample. Possibility to execute a manual selection of the sampling depth limit and the number of repeat samplings from the same vehicle.
Oleodynamic Unit:	Integrated construction arrangement, complete with in-take oil filter, 55-litre oil tank with priming and bleed plug, oleodynamic system solenoid valves and watertight casing for actuator electrical connections. Compact construction with high level of accessibility for maintenance operations. High degree of functioning quietness thanks to coupling of electric motor and pump using elastic connectors. Oleodynamic solenoid valves piloted at low voltage for movement control. Distributor with safety by-pass and emergency manual drive.
Electrical switchboard:	IP55 Desk-type structure 600x960x400/480 mm, with the upper cover equipped with the Operator controls.

	Suitably engineered and ergonomically designed switchboard, managed by the PLC and containing the entire electrical power and control section of the sampler and the oleodynamic actuators.
Control Unit:	Programmable controller (PLC)
Signalling devices	Flashing orange xenon unit to signal "Probe in operating zone". Indicator and alarm lights located on the operative console panel.
Materials in contact with product:	Sample Pick-up Probe in AISI 304 stainless steel. 30-litre bowl, 450x350x250 mm, in food-safe plastic.
Dimensions and weight:	Standard version 6500(b) x 6130(h) x 2400(d) mm Standard version with beam L=4500 mm, ~1200 kg

TECHNICAL NORMATIVE SPECIFICATIONS

Environmental features	<p>Temperature limits: Ambient: 5...45 °C (41...113 °F) Storage: -20...+70 °C (-4...+158 °F)</p> <p>Humidity limits: Ambient: 5%...95% (R.H. non-condensing) Storage: 5%...95% (R.H. non-condensing)</p> <p>Protection degree: IP55 to EN60529</p>
Conformity to Directives:	<p>MSD: 2006/42/EC LVD: 2014/35/EU EMC: 2014/30/EU CE marking of conformity to EU Directives</p>