

AR300-2C TECHNICAL DATA SHEET (airless road marking machine)

Dimensions: 345x110x h without warning board 210 cm; Weight: 1300 Kg



Photo doesn't show standard machine.

TURBO diesel engine

- power 44 HP
- liquid cooling

Lights and turning light

Warning board with arrow for left/right car overtaking and 2 flashing

Hydraulic drive with:

- 2 motors directly coupled on rear wheels
- hydraulic negative brakes
- control for forward, reverse and neutral gear with engagement of negative brakes
- variable-flow pump

Hydraulic oil cooler

Steering on front wheels

Steering diameter 7,35 m

Seat with adjustable position (left/right; forward/back)

Sunshade roof

Machine is equipped with all safety devices according to EU requirements.

Machine conforms to:

- *EU Directive 2006/42/EC on Machinery*
- *EU Directive 14/68/EU for Pressure Equipment (PED directive)*

2 paint tanks:

- capacity 2x150 l
- made of stainless steel
- with hydraulic stirrer

Solvent tank for flushing of guns and paint hoses

Pressurized glass bead tank, capacity 100 l. With regulator of pressure and moisture separator

2 airless hydraulic piston pumps:

- max. vol. flow 2 x 12,5 l/min

Compressor:

- flow air rate 827 l/min

2 automatic paint guns mounted on fixed L support (with adjustable height). Standard nozzles for 10-20 cm line. (Line width can be ranged from 10 cm to 30 cm by changing nozzle and adjusting gun height. Fixed support can be replaced with pneumatic support. Look at optional). Guns can be used for 2 colours or for 2 component Cold Spray Plastic, 1:1, external mixing. (Striper can be also equipped for internal mixing. Look at optional)

2 high-pressure paint filters

2 automatic glass bead guns. Diffuser with adjustable slope and adjustable opening angles. Closing delay regulator for bead gun

MAX. LINE WIDTH: 90 cm

(achievable only with proper optional equipment)

Electronic spacing device C8000:

- 8 programs storable
- control: upto 3 guns with only one program
- alarm when speed is outside the range of minimum/maximum speed set
- data recorded for each gun: total solid line metres
- total data recorded for machine: total driven Km



SPRAYABLE PRODUCTS: not refractive paints, specifically formulated for airless application. 2 component Cold Spray Plastic, 1:1 ratio

OPERATION OF MACHINE

Striper is equipped with **2 independent paint circuits** and 2 guns, in order to apply 2 colours at the same time (or a single colour striping 50 cm line) or to apply **2 component Cold Spray Plastic, 1:1 ratio, external mixing**. **External mixing**, known as “spray in spray”, is a simple method, fast and easy to use: thanks to a proper setting of gun inclination, the 2 components meet after they have been sprayed.

With proper equipment (look at optional), striper can also apply 2 component **Cold Spray Plastic, 1:1 ratio, internal mixing**. In this case, the 2 components come in contact inside a small pipe with a static mixer and are sprayed by only one gun, after the mixing. Internal mixing guarantees more accurate mixing, but requires more attention in the use and maintenance of the machine: as soon as stopped to spray, it is strictly necessary to flush immediately the static mixer, the hose and the gun, to avoid that the material catalyzes definitively inside the spray system. A supplementary flushing circuit, allows to clean system very fast.

Cold spray plastic (CSP) is a 2 component product based on reactive methacrylic resins (MMA) solvent free, well known for its high resistance to wear. The use of CSP 1:1 requires the manual pre-mixing of one of the components (A or B, depends on manufacturer) with a third component, the catalyst

OPTIONAL EQUIPMENT:

- **Trailer for cones** with seat for operator (**SUGGESTED OPTIONAL**)
- **Third automatic paint gun** to stripe 90 cm
- **Pneumatic support for paint gun (one disc)**, to keep automatic gun always at the same distance from ground, ensuring constant width of the line. (**SUGGESTED OPTIONAL**)
- **Manual paint gun-short with 10 m hose**, for stenciling
- **Manual paint gun -long (with extension 45 cm) with 10 m hose**, for stenciling without bending and standing farther from paint spray
- **2 component CSP manual gun, 1:1 ratio, external mixing** with double head, necessary for stenciling with Cold Spray Plastic
- **Kit for 2 component CSP, 1:1 ratio, internal mixing** consisting of: a static mixer and an additional flushing circuit
- **Third automatic glass bead gun**
- **Manual glass bead gun with air hose and bead hose**, for bead application on stenciling
- **26 l pressurized tank and side extension bracket for pre-marking.**

We suggest to complete the machine equipment with:

- **nozzle for line width 30 cm**
- **nozzle for surfaces**, advised for stenciling (crosswalk, symbols, legends, stops, ...).





100 l pressurized glass bead tank

Adjustable pointer, lifted in rest position

Sushade roof

Paint tank capacity 2x150 l



2 independent paint circuits, to apply 2 colours or 2 components



One-disc pneumatic support (optional), mounted for lateral line



Trailer for cones (optional)

2 automatic paint guns mounted to apply 2 component Cold Spray Plastic, 1:1 ratio, external mixing

AR300-2C TECHNICAL DATA SHEET on Dec 20TH 2018.

CMC reserves the right to make changes at any time, without notice.

