

# Automated unit for cylinder internal cleaning

## ICS 1850 model

Automation, high performance,  
the finest internal cleaning



### MAIN COMPONENTS

- > Cylinder shot-blasting cabin
- > Separator
- > Shot-blasting unit
- > Self-cleaning filter
- > Microsphere recovery pump

### Advantages

The ICS 1850 model is an advanced unit to achieve cylinder internal cleaning by means of a fully automated shot-blasting process.

The automatic cycle and the special design of the nozzle allow to get a perfect cleaning also of the cylinder bottom and neck.

The recovery system of the micro-spheres allows to minimize consumption, reducing wastes and therefore saving money.

System automation allows to save time and resources with an evident improvement in the workshop logistics.

All the nozzle positioning functions are attained by means of an innovative laser measurer. The touch-screen display enables to check the number of cycles, the nozzle movement and all other main operations.

All the cylinders are locked in position by means of a special clamping device helping out when you need to handle cylinders in series of the same size.

### Applications

ICS 1850 is designed for the internal cleaning of cylinders up to 185 cm of height and 27 cm of external diameter.

Cleaning is performed with a complete automatic cycle inside the shot-blasting cabin. The metallic microspheres assure a high quality cleaning without damaging the internal surface of the cylinders or leaving any residue.

The metallic microspheres are recovered and separated from the residual of cleaning by means of a device (cyclone) allowing to re-use them in the following cycles.

The return flow from the separator is filtered by a self-cleaning filter, while the solid residues are collected in a container easy to be emptied.

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Cylinders before and after cleaning

## STANDARD ACCESSORIES

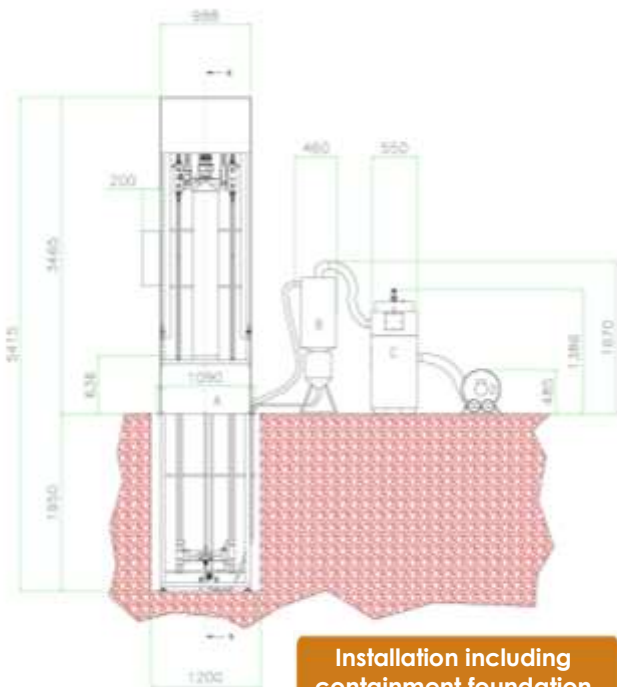
- > Shot-blasting nozzle for cylinders with M18, 25E and 17E threads
- > Shot-blasting pipe
- > N° 1 bag of metallic microspheres, GS280 type
- > Inlet filter for air supply
- > Cartridge for separator filter
- > User manual

## ACCESSORIES ON DEMAND

It is recommended to use a specific cylinder manipulator enabling to easily place the cylinders upside-down inside the unit housing.

## TECHNICAL SPECIFICATIONS

- > Required electric power supply: 400V 50Hz (different voltages on request)
- > Total installed power: ~7 kW
- > Air consumption: ~ 1500 l/min at 6-8 bar
- > Cylinder accepted diameters: 85 mm min / 270 mm max
- > Min accepted diameter with adapter on request: 70 mm
- > Cylinder height: 250 mm min / 1850 mm max.



Installation including containment foundation



Electric panel and touch-screen display

> PER MAGGIORI INFORMAZIONI:  
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