



THE CONSORTIUM BATTERY EQUIPMENT

HEAD Q.: Via Ongari16/1 36030 S. Vito di L.  
Vicenza Italy  
PRODUCTION U. Vicenza, Milano & Bergamo  
tel: +39 0445 670100  
+39 0445 069080  
fax: +39 0445 069079

## ACID DUMPER FOR STARTER BTR



Dumping machine has the purpose to evacuate the acid inside the accumulator after the formation process. Machine has a frame made of stainless steel (AISI 316) tubulars that supports a tank for acid recovery.

The frame supports besides the rotating drum placed inside the tank. On the drum the batteries flow and, through a hydraulic actuator, the drum rotates from 0° to 180°. The shifting of the batteries from the feeding conveyor to the rotating drum happens through a flowing bar moved by pneumatic actuator. The bar is positioned above the

drum and it is complete of a series of teeth for taking that, moved by pneumatic actuators, they go down up to hooking of the battery that it is brought inside the tank. The teeth go up returning to the original position when the bar enters again: in such way the battery is not damaged.

Conveyor (for feeding of dumping machine) has a mainframe made of stainless steel AISI 316L and belt conveyor made of polypropylene with pinions and supports made of polypropylene. At the entry of conveyor there is a separator device, while in correspondence of operative head there are mechanical adjustable stoppers to regulate in order to model of battery.

Electrical panel of management of machine complete with PLC Siemens S7 and operator interface panel.

### Technical features:

Sizes of machine: 3350 mm (length) x 1500 mm (width) x 2050 mm (height)

Weight of machine: approx 1500 Kg

Sizes of batteries to work: length from 175 to 510 mm

width from 165 to 260 mm

height from 160 to 230 mm

Productivity: 8 batteries per minute

Voltage: 380 V + neutral—50 Hz

**CONSORTIUM BATTERY EQUIPMENT: FINISHING DEPARTMENT**

**Web: [www.cbeequipment.com](http://www.cbeequipment.com) email: [info@cbeequipment.com](mailto:info@cbeequipment.com)**

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