

HIGH-SPEED ASH PULVERISER

This high-speed ash crusher is the upshot of experience acquired in over forty years of business activity and numerous projects implemented by Ciroidi S.p.A. Officine Meccaniche for the cremation of corpses and mortal remains.

The ash crusher features fully-automatic operation and, unlike other solutions available on the market, a single process phase, without operators having to handle the remains at all. In fact, the cremation residues removed from the crematorium, inside the special stainless-steel box, are directly introduced into the crusher, using the same S/S box, without any intermediate handling; once the box has been loaded and the double door of the cabinet has been closed, the pulveriser finely crushes the ashes and transfers them directly into the funeral urn, which is also located in the pulveriser.

The metal parts on the other hand remain in the stainless-steel box so that, at the end of the automatic process, this is removed, emptied of its contents and disposed of as metal scrap or conveyed to the scrap heap.

Once crushing has been completed, the operator opens the doors of the machine, directly takes out the funeral urn containing the ashes and then proceeds to close it.

Main technical data:

- o Dimensions: H 2.00 x W 1.23 metres x D (max) 0.855 metres;
- o External steel structure, powder coated on the outside and lined with soundproof material on the inside;
- o Cabinet finished on the inside with stainless steel;
- o Integrated vacuum system with dust extraction device;
- o CE mark.



Ciroldi S.p.a.

Via Nazionale per Carpi, 1591 - 41123 - Ganaceto (MO) Italy
Tel. +39 059 386012 - Fax. +39 059 386215 - ciroidi@ciroidi.it - www.ciroldi.it

The main advantages of the proposed solution are:



- o Fully automatic process with computerized controls;
- o Fast ash crushing time;
- o Ash crushing efficiency;
- o No manual transfer and pouring operations;
- o No pouring out operations and so no possibility of human error during such phase and ash identification;
- o Compatible with all types of urns of standard size;
- o Convenient drawer for collecting up and removing filtered-air dusts;
- o Easy and completely safe ash drawer introduction/removal operations;
- o Automatic separation of metal parts without any operator intervention;
- o Ensures extensive pulverisation (< 3mm).

Ciroldi is headquartered in Modena (Italy) and has for fifty years been operating in the design, construction and installation of systems for thermal destruction and refuse-to-energy incineration of various types of solid, organic and industrial waste. As complement to the above mentioned systems for which Ciroidi counts hundreds of references in Italy and worldwide, also thanks to our considerable experience gained in this industry, we have developed an articulated range of systems for the cremation of corpses and mortal remains (including pets), whose characteristic features are sturdiness, compactness, high technological and functional content, and full compliance with the most stringent environmental regulations.

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