

# JK 5100 A compost machine adapted to the ecocycle



Robustly constructed of stainless steel for durability and hygiene.



The JK5100 is an entirely new type of compost machine which features:

- A powerful, integrated shredder/grinder which chops up the waste material into small pieces.
- An option for users to dispose of waste using compostable paper bags.
- An optional automatic pellet doser, ensuring that the correct amount of pellets are inserted every time.
- A unique mixing function which ensures production of a well-balanced compost.

Distribution JORA Compost Canada Inc.

We make composting easy and convenient



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# JK 5100 environment, design, safety and quality

## Function

Waste is inserted into the hopper and macerated by an integral grinder before being ejected into the process chamber. Once in this first chamber, the waste is aerated and mixed with the incoming fresh waste by a newly-developed mixing technique. After about two weeks, the mixing mechanism passes the material into the second chamber to isolate it from any further contamination with fresh waste, in order to complete the ripening process. The ripening chamber is, of course, equipped with an independent mixing system. Having two chambers ensures the best possible results in the most hygienic conditions.

## Design

The machine is designed to meet high expectations on hygiene and reliability, and is easy to maintain. The waste hopper is placed conveniently for all users, including chair-bound. The chambers have inspection hatches for monitoring the process from start to finish. The elegant and simple design facilitates the understanding of the different steps of the composting process:

1. Maceration of waste
2. Composting
3. Ripening
4. Emptying

## Safety

The JK5100 has several in-built safety functions. Naturally the chute is locked during grinding. When the chute is open, the grinder motor is locked. The mixer and aerator are built in.

## Quality

The JK5100 is robustly constructed, with the body being made of stainless steel. All moving parts are replaceable for optimal working life. Grinding, mixing and aeration operations are variable and controlled in a programmable unit in the wall-mounted control panel, thus enabling the machine to be easily adapted for optimal composting of the particular waste stream.



### Technical facts

|                   |  |
|-------------------|--|
| Outer dimensions: | 2 950 x 1 170 mm   |
| Height:           | 1 470 mm   |
| Capacity:         | up to ca 100 households<br>(calculated on 2.3 persons /household,<br>Ca de 700 litres/week with a density of 0.5 kg/litre) |
| Mains connection: | 220V, 20A  |
| Ventilation:      | Built-in fan   |
| Material:         | Steel and<br>recycled polythene  |

Patent pending SE 9704 605-6

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