

# DAC 3000 DIRECT CHARGE DENSIFIER FOR STEEL & ALUMINUM CANS



DAC 3000 with Optional Conveyor



DAC 3000

DENS-A-CAN DAC 3000 densifier is specifically designed to densify ALUMINUM and STEEL food or beverage containers into high density interlocking biscuits that meet the aluminum and steel industry requirements. The DAC 3000 will also process full beverage containers, trim stock, aerosol cans and like materials.

Along with the high density biscuits, the DAC 3000 will process tin food containers into low density biscuits approved by the detinners. The process of switching from the high density biscuit to the low density biscuit is done by simply turning a switch on the control panel.

Being direct charge makes the DAC 3000 well suited for a surge/storage hopper, in which the DAC 3000 is placed directly beneath a surge hopper. The 3000 may be purchased with an optional stand-alone separator.

The DAC 3000 is designed for the larger processor of cans. The DAC 3000 minimizes strokes and gets maximum production with fewer moving parts. Like all DENS-A-CAN equipment, it is simple to operate, highly reliable, and easy to maintain.

#### “STATE-OF-THE-ART” ENGINEERING:

- Fully automatic with manual override switches.
- Two convenient density setting options from the control panel: one for aluminum, the other for steel cans.
- Automatic biscuit size control, automatically adjusts for whole, mixed, or flat cans.
- Agitator system breaks up can bridging even from the largest of surge hoppers.
- Thermostat controlled heater and self contained cooler/filtration system.
- High and low oil temperature protection.
- Latest electronic and hydraulic controls utilizing tie rod cylinders.
- TEFC motors and sealed electrical enclosures.
- Reinforced heavy duty compression chamber with tongue and groove tracking system eliminates cylinder rod lift.
- Four edged hardened tool steel cutter bar.
- All components are easily accessible with fewer moving parts and sensing components. Wear areas are bolted for ease of service.

The DAC 3000 Direct Charge densifier is perfect for the larger processor and material recovery facility, that needs a fully automatic high production densifier.

## DENS-A-CAN INTERNATIONAL DESIGNERS & MANUFACTURERS OF RECYCLING SYSTEMS and EQUIPMENT

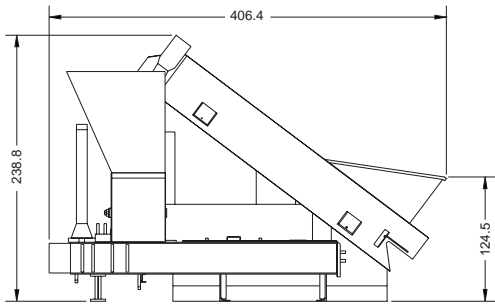
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# DAC 3000

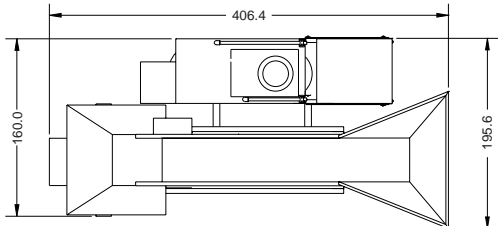
## ULTRA HIGH CAPACITY DIRECT CHARGE DENSIFIER

DENS-A-CAN built the first commercially operated aluminum densifier in 1981. In 1984, DENS-A-CAN engineered and marketed the original Direct Charge Densifier. In 1990, DENS-A-CAN introduced the DAC 1200, a specially designed Direct Charge Densifier for processing not only aluminum cans, but also food "tin/steel" cans in two distinct densities: one for remelt, the other for detinning. This densifier has been the choice of many processors and material recovery facilities.

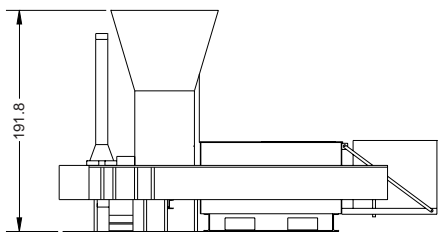
Seeing a need for a larger densifier, the DAC 3000 was developed and proven in the processing of large amounts of material quickly and effectively. The DAC 3000 is perfect for the larger material recovery facilities and processors. The DAC 3000 produces biscuits that are approved by Alcoa and meet the requirements for steel can remelting and detinning.



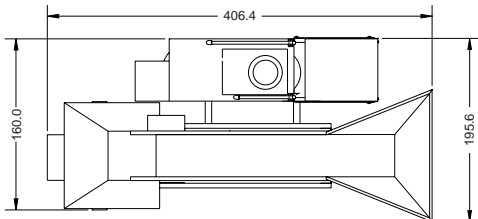
DAC 3000 with Optional Conveyor - Side view



DAC 3000 with Optional Conveyor - Top-view



DAC 3000 - Side view



DAC 3000 - Top view

### SPECIFICATIONS

**Description:**

The DAC 3000 is fully automatic and will run continuously as long as cans are being fed. It features an automatic shut-off when empty.

Direct Charge is the processing of cans without the need for any preprocessing like pre-weighing. The DAC 3000, like all DENS-A-CAN densifiers, can be placed directly beneath a surge storage system. Can bridging is eliminated by the use of an agitator. The agitator rotates when the single compression ram is retracting, the rotating agitator breaks bridging and forces the cans into the compression chamber. Biscuit size and density are determined by a specifically engineered system that consists of only four sensors. This system has proven itself in the dirty and harsh environment of material recovery facilities.

The DAC 3000 features two pressure settings that can be selected by turning the switch at the control panel. The High Setting is for densifying aluminum or steel cans for remelting. The Low Setting is for compacting steel cans for detinning or lighter weight biscuits for remelting.

All service areas of the DAC 3000 have ample access to them. All wear components are bolted and designed for easy replacement.

<b>Capacity in kgs/hour:</b>	Aluminum	Aluminum Flat	Steel
Up to:	1134	1633	1814-2268

**Biscuit Description:**

Typical size: 28 x 43 x 23 cm with extra large integral banding grooves.

Weight and density of a typical biscuit:

Aluminum cans- 16/18kgs. each or 17/19 kgs /m3 typical.

Ferrous cans - 34/36 kgs. each or 35/37 kgs./m3 typical, high density.

Ferrous cans - 20 kgs. each or 21 kgs./m3 . typical, low density.

**Banded Bundle typical size and weight:**

72 biscuits, 112 x 130 x 137 cm, no skid or pallet needed.

Aluminum beverage cans - 1241 kgs @ 17.23 kgs. per biscuit.

Ferrous cans - 2449/2613 kgs, high density.

Ferrous cans - 1470 kgs, low density.

**Standard Power:** 30 HP, 240 V, 3-phase, 100 amps, or 480 V, 3-phase, 50 amps.

Options: 208 V, 3-phase, or 575 V, 3-phase.

**Other Specifications:**

Thermostat controlled heater and self contained cooler/filtration standard.

Optional conveyor available with or without magnetic head pulley.

Approximate Weight in kgs:	Without conveyor	With conveyor
	2177	2358

Hydraulic Reservoir Capacity - 341 Liters

**Specifications subject to change without notice      Shipped FOB Greensburg, PA**

## DENS-A-CAN INTERNATIONAL

### DESIGNERS & MANUFACTURERS OF RECYCLING SYSTEMS and EQUIPMENT

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