



Setting Industry Standards  
by Exceeding Customer Expectations

## Gemco, DEC and DeDietrich Process Systems team up to provide Drum Containment System for Vessels

*New process system keeps powder completely contained to less than 1µg/m3.*

Drum Containment System for Vessels (DCSV) is designed to be used in conjunction with Gemco's GEMCOMATIC BLENDERS & DRYERS. Worker and room product exposure are eliminated.

Plus, the DCSV system utilizes standard drum liners, reducing operational costs. DCSV can be retrofitted to existing GEMCOMATIC BLENDERS & DRYERS.

DCSV is safe, inexpensive and readily available.

### Versatility:

DCSV is suitable for virtually any sized drum with liners of any material. It's a cost-effective solution with substantially less investment than a reactor isolator or a clean room, and it requires only one operator.

Hazardous materials can be transferred in the production area without endangering nearby personnel or disrupting other production processes.

The system can be supplied on any GEMCO blender, dryer or granulator as a special order and can also be supplied as an inexpensive retrofit. The containment retrofit package can also be taken off for use on other GEMCO equipment in your plant. Plus, our space-saving design eliminates the need for solids handling equipment, special bins with split valves or expensive docking stations. Cost savings for this kind of flexibility can be very substantial.




*This Gemco blender/dryer has been validated with the DCSV*

### Containment:

**OEL (Operator Exposure Level) below 1 µg/m3 @1m!**

DCSV provides several containment barriers. The glove box provides a dust-tight seal with the drum. Both inner and outer drum liners are sealed to a sealing ring. The vessel is isolated by a containment sleeve. The glove box has integral HEPA filters for venting, and operates under a slight negative pressure so there is no exposure even in the event of a barrier failure.

*continued on back*



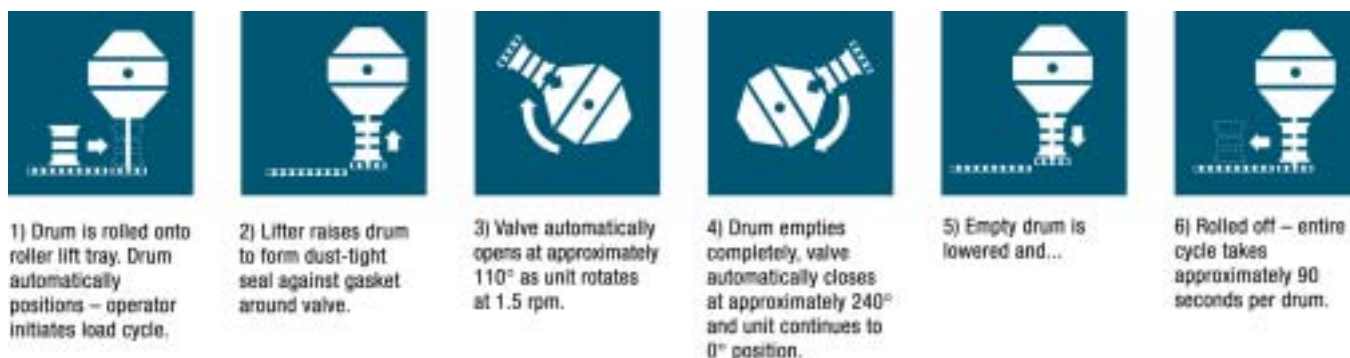
*The U.S. distributor for DEC, a Swiss company specializing in precision powder transfer and containment systems.*

**DCSV** can be completely cleaned or the filters changed in a totally contained manner. The CIP (Clean In Place) technology makes the system *much* easier to clean than glove boxes or clean rooms, and uses standard, heavy-duty liners. DCSV is the technology of preference for ensuring containment on your rotating equipment.

### Operator safety and well-being:

The ergonomic design eliminates the operator fatigue typically associated with handling solids in isolators. DCSV considerably reduces the need and, significant cost of operator personal protective equipment (PPE).

## The Gemcomatic Loading Cycle:

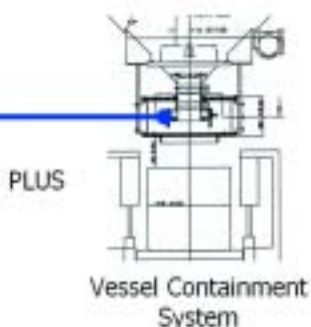


## Adding DCSV to the Loading Cycle:

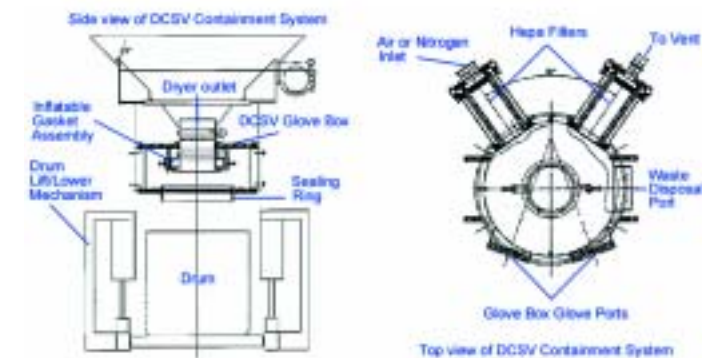
Gemco dryer + DCSV =  
containment to  $<1\mu\text{gm}/\text{m}^3$



Gemco dryer



### Layout of DCSV



For more information on DCSV,  
contact your GEMCO representative  
or **DeDietrich Process Systems** at  
1 800 722 2405

