

# CVC WEIGHING GRID TABLE WGT

## History Case



*Increase productivity!*



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### REQUEST:

A customer needed a system to compact his material into his 55-gallon drums. By using vibration, the customer realized a 20% increase of product in the drums. This reduced the cost of shipping extra containers to their end users.

### SOLUTION:

CVC manufactured a weighing grid table out of stainless steel with two rotary electric vibrator drives.

The system includes semi-automatic controls that allow the table to operate without the operator present for every step of the operation. The controls also allow the opening of the gate valve.

The procedure:

- Operator manually positions a 55-gallon drum under filling station. (Matcon)
- Operator starts fill cycle (controls send a signal to the customer's controls for Matcon to begin fast fill).
- At desired weight, vibration begins. Weighing continues during vibration.
- At second set weight, controls send a signal to Matcon control to start dribble feed.
- At third set weight, controls send a signal to Matcon controls to end fill cycle. Vibration continues for predetermined time to settle remaining product.
- Cycle ends. Operator manually removes drum.