

## Walther Trowal CA650 Vibratory Bowl



Stock No	<a href="#">VA2173</a>
Manufacturer	<a href="#">Walther Trowal</a>
Model	CA650
Year of Manufacture	1978
Serial	18.337
Condition	From a working environment
Capacity	650Litre
Type	Vibratory Bowl
Other Info	High Capacity Continuous Finishing Cell
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	2250

### Description

### Walther Trowal Vibratory finishing line installation.

### Operation

Three stage process comprises of a loading tipper, vibratory finishing bowl and rotating parts dryer. Production components are loaded into the tipping hopper in a stillage, this tips up and transfers the components from the stillage into the vibratory bowl containing suitable polishing or deburring media and can be fitted with a dosing station to supply cleaning or polishing solution which is used during the vibratory operation. After the cycle is completed the parts are

automatically transferred from the bowl to the parts dryer to complete the production process. This system delivers clean, dry polished / deburred components at the end of the line.

### **Stage 1 : Stillage unloading tipper by Loadmatic**

- Loadmatic.
- Manually operated hydraulic control.
- Stillage loading 750 x 600 x 500. TBC
- Safety cage.

### **Stage 2 : Vibratory Bowl CA650**

- Circular vibrator suited to high quality surface finishing requirements, efficient grinding with low impingement
- Helical shaped bowl giving uninterrupted flow of both media and part
- Can operate continuously in a single cycle
- Built in screening device
- Wear resistant lining
- Maintenance free and energy saving
- Divorced drive system with belt
- Total Volume (litre): 650
- Work Load Capacity (litre): 76 - 228
- Largest work piece: 265 mm (measured diagonally)
- Drive power at 1500rpm 8kW

### **Stage 3 : DLT14 Continuous Drum Dryer**

- Walther Trowal DLT14 continuous drum dryer.
- Variable drying times from 2 - 4 minutes
- External dimensions: (WxDxH) 3800 x 1800 x 1850
- Barrel dimensions: Ø1220 x 2280 mm
- Drum Ø 840mm x 1700 long
- Heating power:- 20 kW
- Product Output:- 3000 (kg/hr)

**Including Control Panel**

### **Function / Process**

Circlon vibrators type CA are automatic abrasive finishers with overlapping helical work bowls. The mixture of workpieces and abrasive media moves during the course of circulation from the bottom to the top level of the work bowl. During this advanced motion the mixture is circulated in a spiral from the outside to the inside. In addition, workpieces and abrasives media describe relative movement in relation to one another. This three-dimensional movement generates high abrasive pressure and prevents reciprocal shattering or scratching of the workpieces. After finishing the mixture id passes via a tilting flap to the screening area. Separation (closure of the flap) is initiated pneumatically. The finished workpieces are ejected, the abrasive media drops back through the screen into the work bowl.

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**