

CTV-IS BOWL TYPE VIBRATORY FINISHERS WITH RISING CHANNEL

UTILIZATION

These machines are designed for the surface finishing of a multitude of parts, for which is required a higher quality of finishing

In particular they are used for deburring, smoothing, polishing, cleaning of small to medium sized parts.

DESCRIPTION OF THE MACHINE

The machine consists of :

- Bowl: made of carbon steel lined with 95 DUROMETER HOT POUR polyurethane supported with coil springs. Bowl is thermally stress relieved.
- Supporting base: consists of a heavy electro-welded steel structure.
- Discharge and separation: consisting of a polyurethane unloading ramp reinforced with a steel core and of a screen made of plastic with hole diameter upon request.
- Electric control panel.

STANDARD FEATURES

- Electrowelded steel structure.
- The rising channel work chamber guarantees total discharge of the parts and assures very fast separation.
- Quick change screens
- Reduced work cycles.
- High quality finishing.
- High versatility for different applications.
- Around the clock operation and duration reliability.
- Adjustable amplitude settings with removable weights, and electronic variable speed drive.

- Bowl lined with oil-proof anti-abrasive hot poured 95 durometer polyurethane.
- Drain Plug for water/compound discharge.
- Dual opening spray bar for discharging compound and fresh water into the work chamber.
- Media unload door
- Electric control panel mounted on a floor stand in compliance with CE regulations.
- Capable of setting timed work cycle upon specific requirements.
- Fast and simple maintenance.
- Direct drive motor lubricated with grease.
- Compound dosing pump (optional 3-CTV-IS)
- Pneumatic operated unload ramp with steel safety guards. (3-CTV-IS optional)
- Air operated acoustic lid (optional 3-CTV-IS))

ELECTRIC SYSTEM

- 24 V control circuits. IEC components.
- Complete electrical schematic
- Hour-meter, disconnect switch, start button, emergency stop button, work cycle timer. On-off dosing pump switch, Up down unload ramp switch, Up down acoustic lid switch.

WARNING

The average noise level of these machines is estimated as being 80-95 dB(A).
When in operation, depending on the process being run, the machine does not comply with OSHA standards controlling environmental noise pollution unless acoustic lid is used, or it is installed in a location in which the constant presence of the operator near the machine is not necessary.

| TECHNICAL CHARACTERISTICS OF THE MACHINE | | | | | | |
|--|---------|----------------|----------------|----------------|----------------|----------------|
| MODEL # | | 3-CTV-IS | 5-CTV-IS | 8-CTV-IS | 15-CTV-IS | 20-CTV-IS |
| BULLETIN # | | 335 | 336 | 337 | 338 | 339 |
| Bowl capacity | Cu. Ft. | 2 | 4 | 7 | 12 | 16 |
| Bowl internal diameter | in | 33 | 39.7 | 47.6 | 55.1 | 63.4 |
| Channel width | in | 8.6 | 10.8 | 13.3 | 15.7 | 17.7 |
| Motor speed | rpm | 900-1800 | 900- 1800 | 900-1800 | 900-1800 | 900-1800 |
| Motor power | HP | 1.4 | 2 | 4 | 5.3 | 7.3 |
| Motor Voltage | Volts | 208 230/460 | 208 230/460 | 208 230/460 | 208 230/460 | 208 230/460 |
| Frequency | Hz | 60 | 60 | 60 | 60 | 60 |
| Overall Dimensions Ø x H | in | 41x35 | 47x37.4 | 55x42 | 63x46 | 69x47.5 |
| Parts discharge height | in | 25 | 29 | 32 | 37 | 37 |
| Media discharge height | in | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 |
| Machine Weight | lbs | 800 | 1075 | 1475 | 2425 | 3220 |