

ROYSON ENGINEERING COMPANY

SPECIFICATION SHEET #999

1/1/10

CTV ROUND BOWL VIBRATORY FINISHERS WITH NO SEPARATION

UTILIZATION

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

In particular they are used for deburring, smoothing, polishing small to large sized metal parts.

DESCRIPTION OF THE MACHINE

The machine consists of :

- Bowl: made of carbon steel lined with 95 DUROMETER HOT POUR polyurethane supported by coil springs.
- Supporting base: consists of a heavy electro-welded steel structure.
- Electric control panel mounted on floor stand

CHARACTERISTICS

- Electrowelded steel structure.
- 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 discharge.
- Electric control panel mounted on a floor stand in compliance with CE regulations.
- Media unload door
- Dual opening spray bar for discharging compound and fresh water into the work chamber.
- Capable of setting timed work cycle upon specific requirements.
- Fast and simple maintenance.
- Compound dosing pump
- Pnuematic acoustic lid optional on 2.5,30.45,60
- Optional pnuematic media unload door available.

ELECTRIC SYSTEM

- 24V control circuits. IEC components
- Complete electrical schematic
- Hour-meter, disconnect switch, start button, emergency stop button, work cycle timer.
- Variable speed drive with digital speed display.

WARNING

The average noise level of the these machines is estimated as being 80-95 dB(A).

When in operation, 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 DATA

MODEL #		2.5-CTV	5-CTV	10-CTV	15-CTV	20-CTV	30-CTV	45-CTV	60-CTV
BULLETIN#		441	442	443	444	445	446	447	448
CHANNEL WIDTH	IN.	10.6	10.8	13.5	15.7	17.5	20.4	26.3	29.5
CHANNEL DEPTH	IN.	12.6	15	17.4	20	29.5	29.5	30.3	30.7
BOWL CAPACITY	CU/FT	2.5	5	10	15	20	30	45	60
MOTOR POWER	HP	1.4	2	4	5.3	7.3	14.7	20	20
VOLTAGE	V	230/460	230/460	230/460	230/460	230/460	230/460	230/460	230/460
MOTOR SPEED	RPM	900-1800	900-1800	900-1800	900-1800	900-1800	900-1800	900-1800	900-1800
MOTOR FREQUENCY	HZ	60	60	60	60	60	60	60	60
OVERALL DIAMETER	IN.	33	43.6	52.4	60	68.5	78.7	94	97
OVERALL HEIGHT	IN.	33	34	37	40.3	45.2	48.8	54.3	55.1
WEIGHT	LBS.	575	950	1400	2200	2800	4850	6280	7050

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P.O. BOX 160

HATBORO, PA. 19040 PH#215-675-2800 FAX# 215-675-3035

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