



MODEL:
VTHT-2450



Manufacturing Mass Finishing Solutions

Tub Finisher

Overview

Tub finishers are powerful and versatile vibratory finishing machines that are ideal for lower quantity, higher value parts, ranging in size from large wing spars for the aerospace industry to medium hydraulic manifold blocks for the agricultural sector, as examples. They are suitable for a wide range of finishing results, including: deburring, cleaning, polishing, descaling, de-rusting, brightening, smoothing, degreasing and more. Based on cubic foot capacity, no other style finisher provides the channel width of a tub finisher.

The tub finisher is a horizontal, rectangular process chamber that rolls the mass utilizing vibration. This creates a dual action effect that transmits its force through the media and into the parts. The first action is the vibration

abrading the parts as it is powering the roll. The roll is the second action which creates a tumbling motion which further impinges the parts.

Our tub finisher drive consists of a premium efficiency motor that powers an offset drive shaft with easily adjustable weights. The weights can be adjusted to increase or decrease the aggression of the machine. In combination with the customizable compartment dividers, this feature ensures a high quality, precise surface finish without impingement.



Advantages

There are several advantages of the tub finisher over a standard, round vibratory finisher.

- The rectangular vs. circular process chamber allows for a much larger capacity given the same volume. For example, a 5 cubic foot bowl finisher might have a 10" channel width, whereas the same size tub finisher would have a 17" channel width. This allows for larger parts to be run.
- The greater channel width allows for more depth of mass, which creates more compression and greater deburring within the same volume.
- The tub finisher's innovative design also lends itself to being compartmentalized easily with dividers which allows for part segmentation. This feature is significant when treating larger, more sensitive, higher value components which must not impinge on each other during processing.
- The consumable expense to run the tub finisher process (media wear, compound used and electricity) is much less than when compared to hand finishing and using bonded abrasives. Additionally, there is a safety factor, and it eliminates the inconsistency of hand deburring.

Results

In conclusion, a CLM Vibetech, Inc. tub finisher features an innovative, professionally engineered design with an exceptionally high-quality output. It allows for larger, heavier, more complex parts and fabrications, which have traditionally been finished manually, to now be placed into a larger process chamber and receive an automated vibratory finish, which decreases consumption costs. This process also frees up time for operators to focus on other key duties, which provides labor efficiencies to the company. The larger channel width allows for increased capacity, which streamlines the finishing process and makes future growth more attainable. Finally, a tub finisher process helps achieve a higher level of operator safety and consistency to quality for the desired result of the finished product.

Key Features

- Customizable, removable dividers
- U-shaped trough
- Mounted onto coil springs
- Adjustable weights
- Wet or dry processing capabilities
- Maximum channel width
- Premium polyurethane lining
- Premium efficiency motor
- Individual or batch operation

Specifications

MODEL	Channel Width	Channel Length	Channel Depth	Cu. Ft. Capacity	HP
VTHT-1724	17	24	19	3	2
VTHT-1736	17	36	19	4.5	3
VTHT-1748	17	48	19	6	5
VTHT-1760	17	60	19	7.5	5
VTHT-1772	17	72	19	9	5
VTHT-1796	17	96	19	12	7.5
VTHT-17120	17	120	19	15	10
VTHT-17144	17	144	19	18	15
VTHT-2436	24	36	26	8.5	5
VTHT-2450	24	50	26	11.5	5
VTHT-2460	24	60	26	14	7.5
VTHT-2472	24	72	26	17	10
VTHT-2496	24	96	26	22	15
VTHT-24120	24	120	26	28	20
VTHT-24144	24	144	26	34	20
VTHT-3036	30	36	32	13	7.5
VTHT-3048	30	48	32	17.5	10
VTHT-3060	30	60	32	21	10
VTHT-3072	30	72	32	25	15
VTHT-3096	30	96	32	35	20
VTHT-30120	30	120	32	44	20
VTHT-30144	30	144	32	53	30
VTHT-3232	32	32	34	13	7.5
VTHT-3648	36	48	38	25	15
VTHT-3660	36	60	38	31	15
VTHT-3672	36	72	38	37	15
VTHT-3696	36	96	38	50	20
VTHT-36120	36	120	38	63	20
VTHT-36144	36	144	38	76	30
VTHT-4260	42	60	44	43	20
VTHT-4296	42	96	44	69	30
VTHT-6072	60	72	70	106	30

Proudly built in the USA

