MODEL:
VTI-17-216

CLM VIBE TECH

Manufacturing Mass Finishing Solutions

Inline Finisher

Overview

Inline finishers are robust and versatile continuous process finishing machines that are ideal for high production volumes of larger parts, such as sawcut extruded aluminum, forged steel components, stampings, large aluminum die castings and more. They are widely used in the die cast and CNC machining industries to deburr parts quickly and are suitable for a wide range of finishing results, including: deburring, cleaning, polishing, descaling, de-rusting, brightening, smoothing and degreasing. These machines work effectively as a stand-alone operation or integrated into a fully automated custom system with conveyors, washers and dryers.

Parts are continuously loaded into one end of the finisher (typically with an optional conveyor), experience a finishing process, and exit the opposite end of the machine. Parts and media are then discharged onto a shaker screener for the separation procedure.

Next, media is diverted to a return conveyor which transports the media back to the load end of the finisher. The parts carry on downstream and can be combined with optional secondary operations such as washing and drying.

Our inline finisher consists of a heavy-duty interlocking structural design with a solid pipe core, rectangular tube base frame and premium polyurethane lining and drains, mounted on coated coil springs. They are driven with a premium efficiency variable speed motor, coupled to two to four drive shafts with easily adjustable weights, which increase or decrease the aggression of the machine. These machines come standard with media return conveyors, shaker screeners with adjustable aggression, drain assembly, solution spray nozzles, bolt-on load and discharge chutes, and elevation control which allows for variable process times.

Steamlined Finishing Process | Increased Capacity and Volume | Improved Quality

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Advantages

- Ideal for continuous parts production but flexible enough to handle batch loads with optional loading system.
- Larger channel widths can process parts too large for conventional vibratory bowl finishers.
- Process times from 5 to 30 minutes possible.
- Linear flow of parts through the system.
- Processes larger volumes of parts per hour than conventional bowl finishers.
- Part impingement is reduced even with high production volumes.
- Options available on separation deck include: rust inhibit, rinse, blow off and media fines removal/classification.

Results

In conclusion, a CLM Vibetech, Inc. inline finisher features an innovative engineered design with an exceptionally high-quality output. It allows for large 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. Although standard vibratory units can be automated, few can be completely hands-off during the finishing process. Continuous style finishers provide that capability. Additionally, the larger channel width allows for increased capacity, which streamlines the finishing process and makes future growth more attainable. Finally, an inline finisher process helps achieve a higher level of operator safety and consistency to quality for the desired result of the finished product. All of these features add up to provide the most structurally sound and flexible system on the market. Similar to an assembly line, there is no better machine for dollar value than the CLM Vibetech, Inc. inline finisher.

Key Features

- **Solid pipe core**
- **Mounted onto coated coil springs**
- **Media return conveyor**
- **Wet or dry processing capabilities**
- **High volume production**
- **Easy maintenance access to drains and spray nozzles**
- **Premium polyurethane lining**
- **Adjustable weights**
- **Drain assembly**
- **Solution spray nozzles**
- **Adjustable processing time**
- **Shaker screener with aggression adjustment**
- **Premium efficiency motor with variable speed**

Specifications

MODEL	Channel Width	Channel Length	Cu. Ft. Capacity	Main Motor HP	Required Floor Space
VTI-17-144	17”	144”	13	10	5’ x 20’
VTI-17-216	17”	216”	20	10	5’ x 26’
VTI-17-288	17”	288”	26	15	5’ x 32’
VTI-25-144	25”	144”	29	15	6’ x 20’
VTI-25-216	25”	216”	43	20	6’ x 26’
VTI-25-288	25”	288”	57	20	6’ x 32’
VTI-33-144	33”	144”	50	20	7’ x 20’
VTI-33-216	33”	216”	75	30	7’ x 26’
VTI-33-288	33”	288”	100	40	7’ x 32’

Proudly built in the USA

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