



MODEL:
VT-30LR



Manufacturing Mass Finishing Solutions

Long Radius Finisher

Overview

Featuring a longer working channel, a larger bowl diameter and a smaller channel width, long radius finishing machines provide a very aggressive action due to an expanded center column. They are highly effective for deburring, grinding, radiusing (edge breaking) pressure deburring, polishing and ball burnishing of stampings, castings, forgings and machined parts. They are also capable of finishing delicate or long, narrow parts due to the long process channel, which allows parts to be further spaced out within the bowl.

The CLM Vibetech long radius finishing machine is available in sizes ranging from 2.5 to 50 cubic feet, and can be operated either as a stand-alone solution or as part of a fully automated system. They are specifically designed for continuous operation but are capable of batch processing as well.

Filled with grinding or polishing media, the parts are surface finished during operation. Once the finishing process is complete, parts are fed onto the internal screen deck, which separates the parts from the media.

The construction consists of a heavy-duty welded steel design, premium polyurethane lining and extra-large springs for durability. Our proven oil lubricated drive system incorporates double-row spherical bearings; large, heavy-duty shaft; and a thick-walled cartridge. The conical structure and the center tube are designed to optimize the transfer of energy from the drive cartridge to the process channel by distributing it correctly and without unnecessary stress to the structure.

Labor Efficiencies | Increased Production | Cost Savings



Advantages

- Higher amplitude
- More uniform part processing
- Better feed for longer parts
- Superior unloading and roll characteristics
- Space-saving, low profile design for easy load and unload
- Ideal for processing steel media

Results

In conclusion, CLM Vibetech, Inc. long radius finishers feature an innovative, durable design with low maintenance, which provides cost savings and time saving labor efficiencies. Because of their industrial strength, welded construction and proven, oil lubricated drive system, our long radius finishers are engineered for lasting, long-term performance, which provides less down-time and increased production. Last but not least, their small footprint requires a minimum of floor space.

Capable of continuous operations ranging from two to fourteen minutes, these machines can be built with custom control panels and tailored to suit your specific application. Whether utilized as a stand-alone machine, or as part of a fully automated system, long radius machines offer superior solutions for making future growth more attainable.

Key Features

- Wet or dry processing capabilities
- Optional variable speed on the drive motor for process flexibility
- Adjustable weights
- Durable design, low maintenance
- Quickly deburred parts

Specifications

MODEL	Bowl Diameter	Lined Channel Width	Floor Space Required w/o Panel	Cu. Ft. Working Capacity (1/3 Rise)	Cu. Ft. Working Capacity (Full Rise)	Motor HP	Full Load Amps at 480 Volt
VTG-2.5LR	44"	7.5"	4' x 4'	2.5	2	3	4
VTG-5LR	55"	9.5"	5' x 5'	5	4	5	6
VT-10LR	68"	11"	6' x 6'	10	8	7.5	10
VT-20LR	92"	13"	8' x 8'	20	16	20	27
VT-30LR	116"	15"	10' x 10'	30	26	20	27
VT-40LR	124"	16.5"	11' x 11'	40	34	30	40
VT-50LR	136"	17.5"	12' x 12'	50	42	30	40

G = Manual grease lubrication (control panel is optional).

Proudly built in the USA

