Multi-Pass

SIMULTANEOUSLY COMPLETE TWO PROCESSES IN ONE PIECE OF VIBRATORY EQUIPMENT

The Roto-Finish Multi-Pass® machines are specifically designed to meet the individual customer's parts processing needs. Each machine has a specific channel width to accommodate specific parts, and a definitive channel length to provide the required process time. The channels maintain even sequencing of parts resulting in consistent part finish and virtually eliminating part-on-part impingement.

The unique design of the Multi-Pass® permits integrations with other manufacturing processes, such as casting, grinding, and stamping. Parts can be fed continuously; all parts run at the same speed; and no time is lost loading and discharging.

Media capabilities include ferrous and non-ferrous metals, plastics, wood, ceramics, and cobmeal. This means that a Multi-Pass® machines can be designed to provide several different mass finishing processes, including cleaning, ball burnishing, deburring, deflashing, prepaint finishing, washing and drying.

Multi-Pass® machines require less media than conventional vibratory equipment as the need for cushioning between parts is reduced by precise sequencing.

The specially designed channels in the processing chamber permit a variety of cycle times ranging from 2 to 30 minutes, depending on part size, machine size, and desired finish.

Standard operating features include:

- cartridge drive system (triple drive on largest machines)
- adjustable drop-on eccentric weight system
- continuously monitored oil recirculation
- compound flow-through system
- built in parts / media separation
- quick-change, straight line screen decks
- limit switches at hinged access doors
- controls which include fusible disconnect (110v control circuit), completely prewired to the machine, and totalizing hour meter
- multiple pop-in drains and
- compact settling tank.
Optional Features

The Roto-Finish Multi-Pass® is available with many of the same options as our Spiratron® series machines. These include:

- media classification
- rinse bar or rinse station
- recirculating inhibit rinse
- air knife over separation screen
- combo / dryer channel(s)
- vacuum drains
- vacuum media return (cobmeal only)
- gazebo noise cover
- Duskolector® with plenum
- system integration

MP-54-3-3, left hand design, with conveyor and cobmeal media return system

MP-164-8-5 with conveyor and rotary collection table
Hammond Multi-Pass Finishing Machine with conveyor and rotary collection table

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