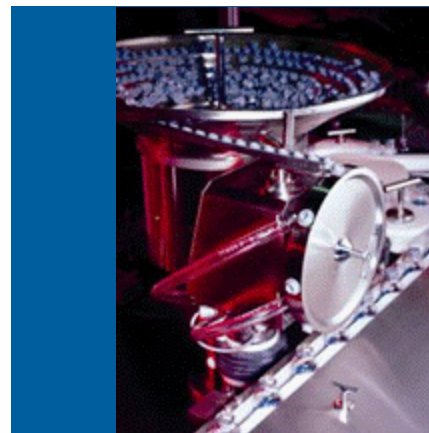




Cleaning, Sterilizing, Liquid and Powder Filling, and Closing Machines



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M&O Perry Industries

+ Company History



1948

- Perry Industries formed
- ACCOFIL® patented

1960's & 70's

- Pioneered Monobloc
- Lyo stoppers insertion machine

1980's

- M&O Industries, Inc. formed
- SPE column & Vial powder filler
- Bottle & Tubes liquid filling



1990's

- M&O Industries acquired Perry = M&O Perry Industries
- Liquid filler for radio-pharma products
- IPC check weigh system for powder fillers
- Isolated powder filling & stopper insertion for cytotoxic powder

2000 - Present

- ISO 9001:2000/2008 Certified
- High speed liquid filling & stopper insertion
- Syringe filling and closing
- Washing, sterilizing, filling, and capping line available



M&O Perry Industries

+ Facility – Corona, California

1900m² facility located east of Greater Los Angeles area.

Engineering Dept - mechanical, electrical, & controls engineers; use Solidworks & Anvil CAD software.

Manufacturing Dept. - Assembly technicians and machinists average over 15 years experience.

Field Service Dept - Install, commission, repair, service, & maintain equipment; train operators, mechanics, & engineers, & assist customers with validation execution.



+ ISO 9001:2008 Quality Management Systems



Customer Focus

- Understand current and future requirements
- Design to URS
- Exceed expectations

Leadership

- Establish Unity and Purpose
- Foster Environment

Involvement of People

- Full involvement of all levels of people benefits the organization

Process Approach

- Desired results are achieved more efficiently when resources managed as a process

System Approach to Management

- Identify, understand, and manage interrelated processes as a system is more effective and efficient

Continual Improvement

- Permanent objective of organization

Factual Approach

- Effective decisions are based on analysis of data

Mutually Beneficial Supplier Relationships

- Interdependent and mutually beneficial relationships enhance ability to create value



M&O Perry Industries

+ M&O Perry Capabilities



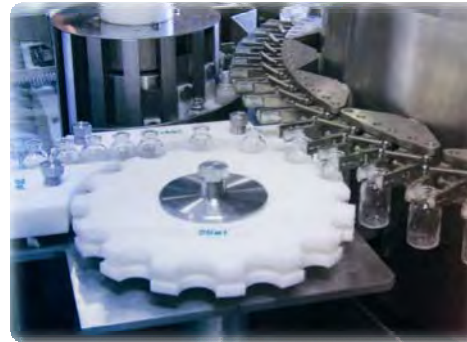
+ Cleaning + Sterilizing Models

- Washing Machines

- Rotary Up to 400cpm
- Tunnel Up to 400cpm

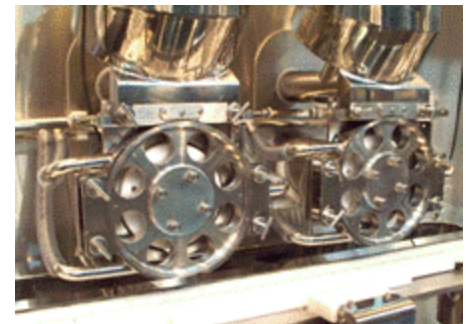
- Sterilizing Tunnels

- Up to 400cpm



+ Liquid and Powder Filling Models

- Vials and Bottles
 - Filling
 - Filling + stopper insertion
 - Filling + stopper insertion + crimp capping
 - Filling + screw capping
 - Filling + dropper tip insertion + screw capping
- Microtubes
 - Filling + capping
- Plastic Syringes
 - Filling + plunger insertion
- Nested Glass Syringes
 - Filling + stopper insertion
- SPE Columns
 - Filling + frit insertion



+ Liquid Pump Types



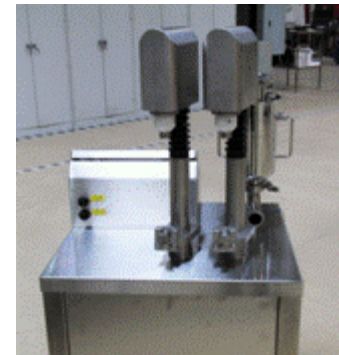
Rolling Diaphragm Pump



Peristaltic Pump



Rotary Piston Pump



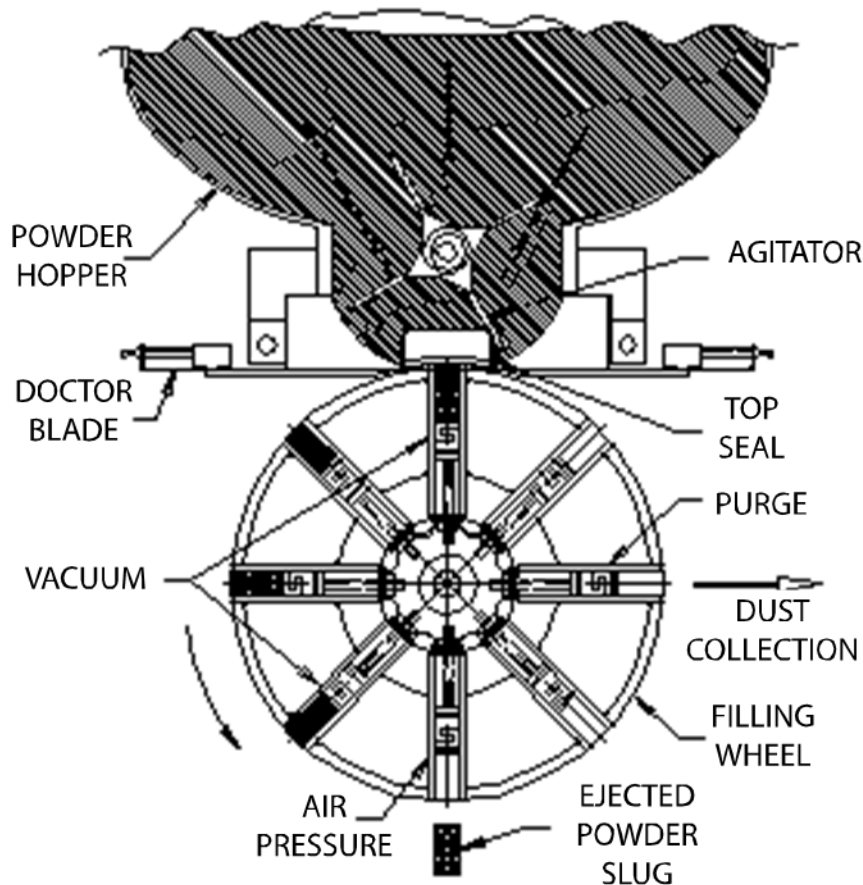
Gear Pump



Volumetric Piston Pump

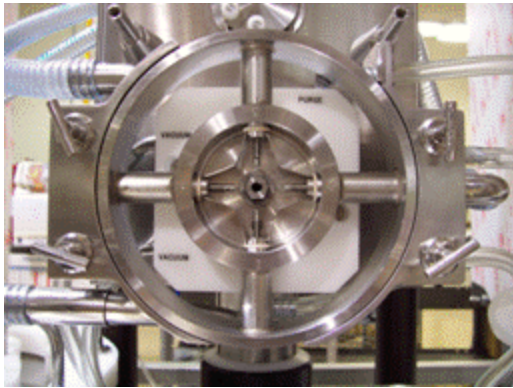


+ Powder Filling – ACCOFIL® Vacuum/Pressure System

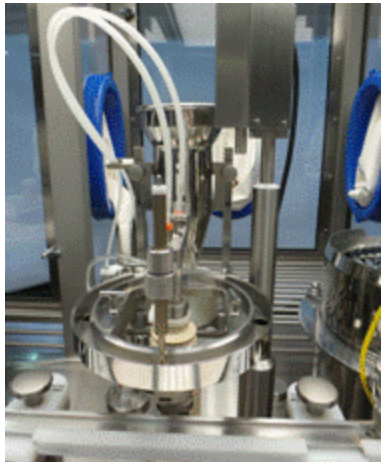


- Perry Invention
- Volumetric filling approach
- Fill Accuracy +/- 0.5% to 2% depend on container stability, powder density and handling characteristics
- In use for over 50 years in pharmaceutical manufacturing industries worldwide

+ ACCOFIL® Powder Filling Heads



Fill Wheel



Oscillating
Needles

+ Other Equipment

- Stoppering
- Aluminum-Crimp Capping
- Screw Capping
- Vial Traying
- Rotary Turntables



+ Optional Features

- VLAF, HLAF, RABS, or Isolator Hoods
- Gray Wall (balcony) versions
- Bulk Feed Systems
- Media Fill Station
- IPC Check Weigh System
- Vision System



+ Parts and Services



Installation Support/Supervision

Startup Services

Operator Training

Maintenance Training

Validation Support or Execution Services

Preventive Maintenance Contracts

On-demand Service Calls

Technical Phone Support

+ A Few of Our Customers





M&O Perry Industries

Engineered for the world,
designed for you.

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