



Air-Vac Basic Training

Applications

Vacuum Conveying

High Vacuum Flow/
Low Vacuum Force

5 -12 "Hg

Scrap Removal
Parts Transfer
Transporting solid materials

Evacuation

Low Vacuum Flow/
High Vacuum Level

Up to 29.7 "Hg

Closed systems (no leakage)
Gas Analyzers
Evacuating plastic molds
Vacuum Forming
De-gassing
Bottling
Vacuum Chucks
Printed Circuit Board Testing
Vacuum distillation
Laboratory
Auto Air Conditioning
Systems

Parts Handling

Moderate Vacuum Force/
Moderate Vacuum Flow

12 -18 "Hg

Pick and place
Packaging Machines
(Jones Cartoner)

Labeling Machines
Printing

Vacuum Chucks

- Holding down a piece of work while it's being machined
- Holding printed circuit board down on test fixture

Packaging

- Opening plastic bags
- Erecting cartons
- Vacuum forming - blister packs
- Liquid filling - i.e. milk

Pick and Place

- Place small vacuum generator at end of tooling, close to where the vacuum is to be applied resulting in fast response time.

Printing

- Vacuum Frames

Handling Glass (Sheets)

Medical

- Evacuating Sterilizers



Air-Vac Basic Training

Vacuum Markets

Printing

- Paper Feeding
- Vacuum frames
- Inserting
- Book binding

Packaging

- Box forming
- Case Erectors
- Picking up and opening plastic bags
- Applying labels
- Cartoning
- Blister Packs
- Palletizing and de-palletizing equipment

Special Automated Equipment (i.e. Assembly)

- Pick and Place

Instruments/ Analyzers

- Gas Sampling
- Simulation of different altitudes for aircraft instruments

Medical

- Evacuation of Sterilizers

Material Handling

- Pick and Place
- Vacuum handling equipment

Dairy

- Bottling milk

Brewing

- Bottling beverages

Laboratory

- Vacuum distillation
- Vacuum filtration

Electronics

- Pick and place of components
- Testing of printed circuit boards



Air-Vac Basic Training

Food

- High speed feeding of carton materials
- Carton handling
- Labeling
- Vacuum forming (blister packs, etc)
- Air evacuation of packages
- Impregnation of meat and poultry
- Liquid Filling
- Vacuum Conveying

Wood

- Saw mills - handling timbers and planks
- Furniture manufacturing - vacuum handling, vacuum chucks
- Lamination
- Impregnation

Pulp and Paper

- Degassing and distillation in process and laboratory applications

Glass Industries

- Handling of Glass Sheets
- Handling of windshields

Stone and Cement

- Handling of stone slabs
- Holding when machining or polishing
- Extraction of water when casting

Aircraft

- Holding body sections and wings
- Instrument Calibration

Pharmaceutical

- Handling of boxes, cans, capsules
- Vacuum Conveying

Automotive

- Handling windshields
- Leak Testing

Plastics

- Evacuation of Molds
- Pulling parts out of molds

Chemical Processing

- Analyzers, gas sampling