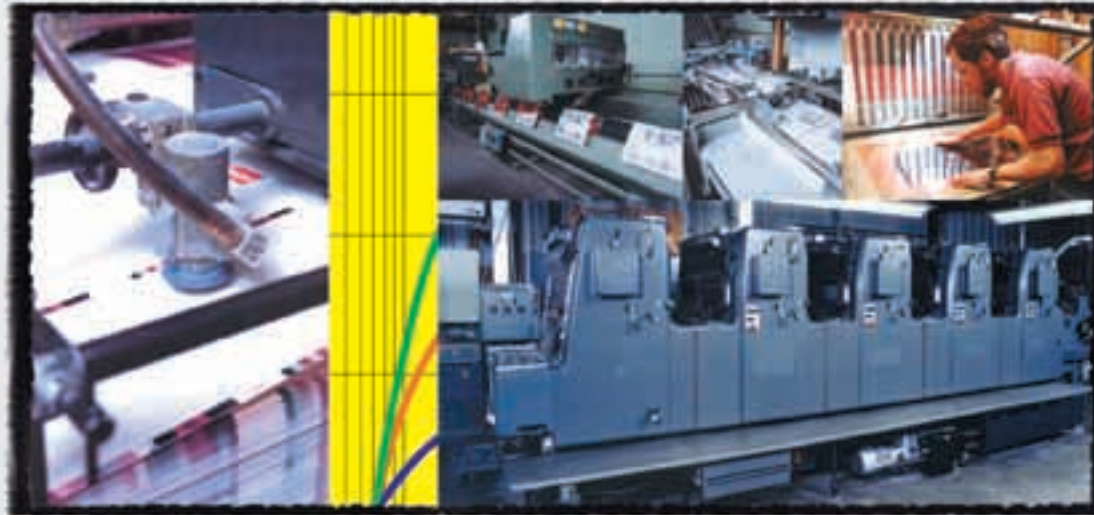


Vacuum and Pressure Pumps for the Printing Industry



Pressure and Vacuum Pumps for the Printing Industry



Merlin Combination Pressure/Vacuum Pump

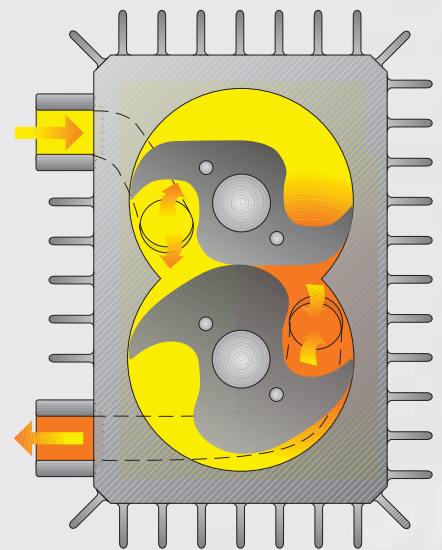
Merlin Pump

The Merlin is a rotary, non-contacting, claw-type combination pump that provides both pressure and vacuum with independent, completely oil free, pumping chambers. The Merlin is welcomed by professional printers because of its extreme tolerance of paper dust along with its low cost of ownership.

Low Ownership Cost

- Maintenance – with non-contacting, claw-type rotors there are no vanes to wear or replace so there is no downtime.
- Small motor – because the rotors are friction free, the Merlin uses a smaller motor which consumes less energy than other types of pumps. Even a single Merlin pump can save almost \$2,000 a year in electrical costs.

Call us for a free cost of ownership analysis, and find out how the Busch Merlin may be an ideal replacement for your current pump.



Operating Principle

Two non-contacting claws trap a volume of air at the inlet and convey it to the exhaust where it is compressed and discharged.

"Busch pumps have increased productivity and lowered our maintenance costs."

Michael Bland, President B&B Printing

Busch, Inc. provides the printing industry with a wide range of rugged and dependable vacuum and pressure pumps for almost all equipment used in the printing craft.

Busch has been serving the vacuum industry for over 40 years and has manufacturing plants located in Virginia Beach, Virginia, Switzerland and Germany. With our experience and global locations, we provide fast service,

technical support and a worldwide parts and distribution network for our customers.

From single pumps to computer controlled vacuum systems, Busch designs and builds vacuum equipment that brings reliability, efficiency and new technology to printing facilities and original equipment manufacturers.

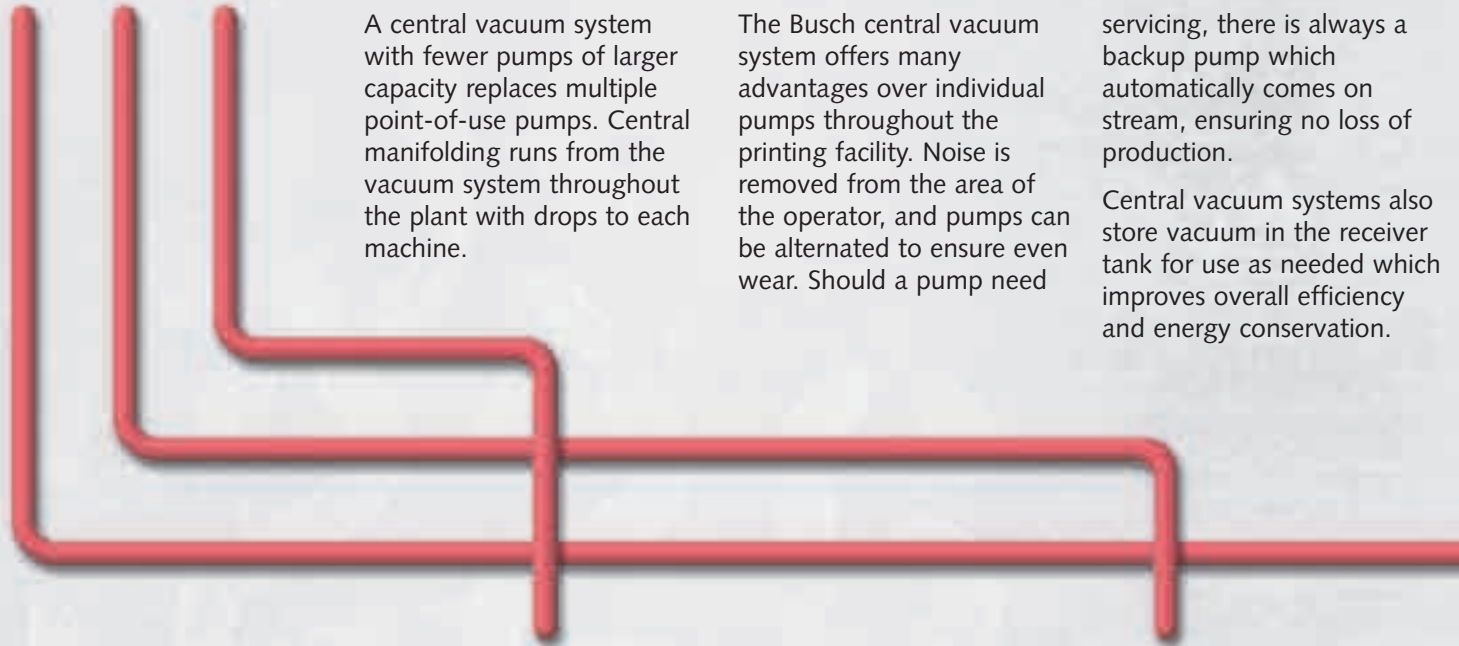
Central Vacuum Systems



The vertical duplex system can be expanded to a triplex or quadruplex system with easy-to-install mechanical and electrical modules.



Triplex Mink system with receiver tank and motor control center.



A central vacuum system with fewer pumps of larger capacity replaces multiple point-of-use pumps. Central manifolding runs from the vacuum system throughout the plant with drops to each machine.

The Busch central vacuum system offers many advantages over individual pumps throughout the printing facility. Noise is removed from the area of the operator, and pumps can be alternated to ensure even wear. Should a pump need

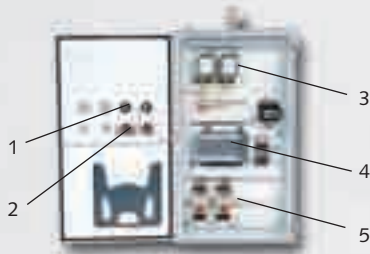
servicing, there is always a backup pump which automatically comes on stream, ensuring no loss of production.

Central vacuum systems also store vacuum in the receiver tank for use as needed which improves overall efficiency and energy conservation.



"We chose a Busch quadruplex vacuum system because of its ability to provide a sufficient quantity of vacuum regulated to our production requirements. We have found the pumps to be reliable, smooth running and virtually maintenance free."

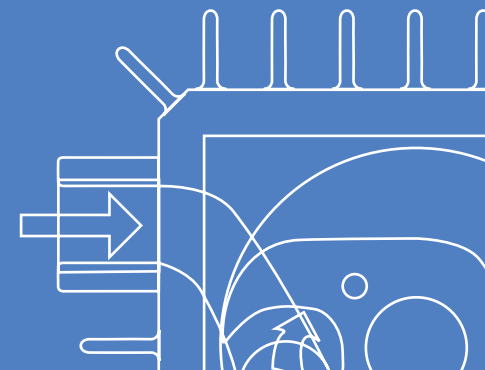
Walter Enderley, Collating Manager, Newsday



Components of the control panel quickly fasten into pre-drilled positions in the control panel. They include: 1) hour meter 2) H-O-A switch 3) vacuum switch 4) EEPROM 5) motor starter.



Mechanical Expansion Module includes pump, filters, piping and pre-drilled stand or skid for quick and easy installation onto system frame.

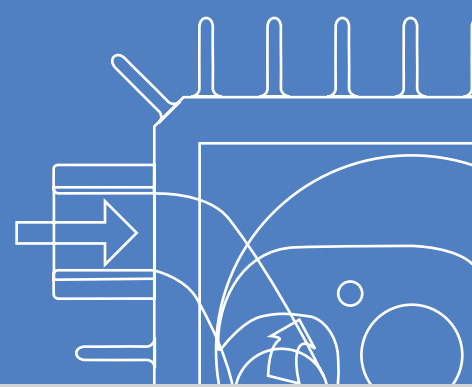


Busch System Advantages

- Quiet, vibration-free operation – can be placed in remote location
- Reduced heat and noise levels
- Air-cooled
- Lower operation and energy costs
- Automatic alternation for even wear of pumps
- Easy access for servicing
- Backup pump eliminates downtime
- Small foot print
- Built in USA – all components are in stock for quick delivery
- Expandable with easy-to-install mechanical and electrical modules without using additional space



More Busch Pressure and Vacuum Pumps



Mink MM



Mink Pressure or Vacuum



R5 Rotary Vane



Seco Model SV1063



Seco Model SV1040



Seco Print for Vacuum and Pressure



Seco Model SV1004



Samos Regenerative Blower



Samos 2-Stage
Regenerative Blower

Mink Models

Feature a rotary, non-contacting, claw type dry design for pressure or vacuum

R5 Models

Feature a rotary vane, oil-recirculating design that is direct driven, air-cooled, compact and quiet

Seco Models

Feature self-lubricating, dry, carbon composite rotary vanes and sealed-for-life bearings

Samos Models

Dry running, regenerative side channel type blowers that produce low to moderate pressure or vacuum

Printing Applications

- Binders
- Cartoners
- Casemakers
- Coaters
- Copy Cameras
- Die Cutters
- Feeders
- Folders
- Heat Sealers
- Hot Foil Stampers
- Inserters
- Joggers
- Printing Presses
- Paper Cutters
- Perforators
- Platemakers
- Saddle Stitchers
- Scorers
- Stackers
- Shrink Wrappers
- Silk Screening
- Stitchers
- Tipplers





Busch - all over the world in industry

Nationwide Sales, Distribution and Service Centers

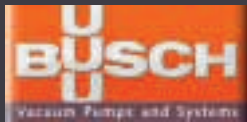


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