

Applications

APPLICATIONS

In every field to improve the quality of life for all.

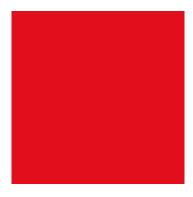
Environment, chemical, health, food processing, plastics, packaging, glass, metallurgy, ceramics, printing and many others.

DVP products can be found in every industrial sector. Of this we are justifiably proud because the wide use of our pumps and our compressors is the sign of a technology that helps the production process making it safe and efficient it is for Man.

For us, we are not just spectators but architects both inside and outside the business. Our personal work tasks have a collective aspect and the Company has a social aspect. This is our idea of what a company should be. Giving our best to create a better life for everyone.

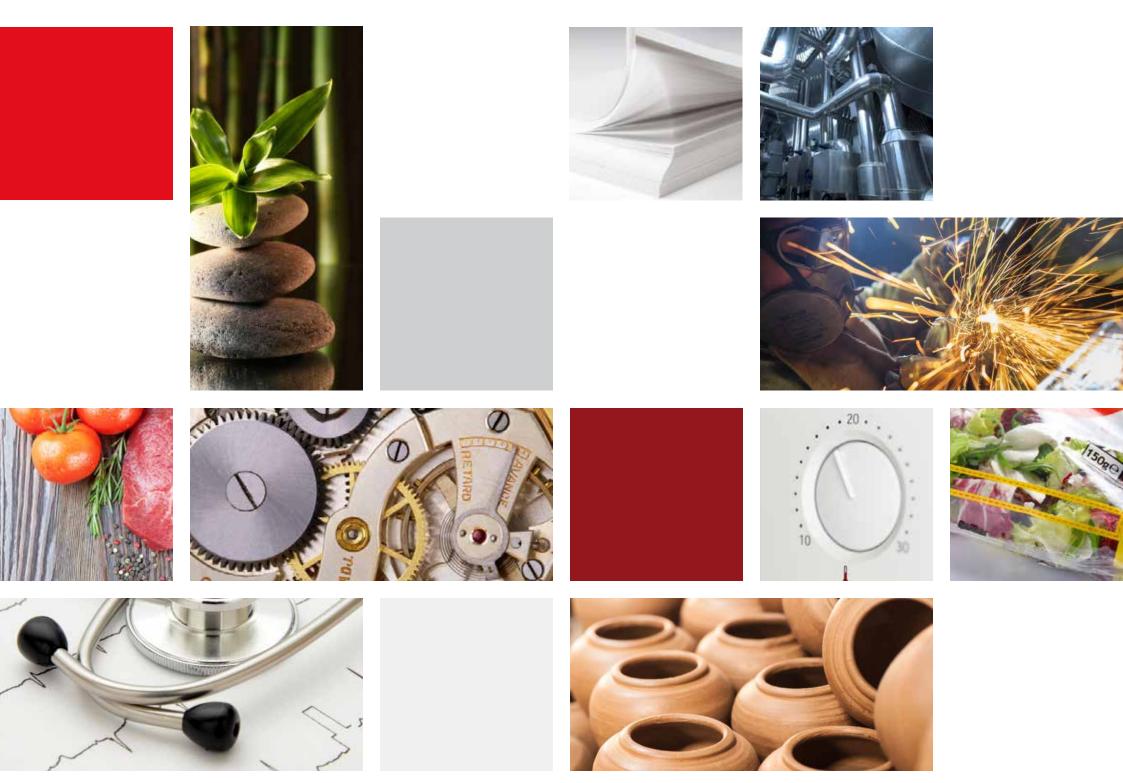
Thus the "vacuum" that our machines create generates the "plenum" of life. From the environmental to the chemical industry, from health to food processing and many others.













Environment

Useful tools for water, waste and solar power.

Vacuum technology can be very useful in order to protect and preserve the environment.

In this sector DVP has a specific response. Our products are used for many different applications such as the oxygenation and purification of waste water, landfill sites, and solar panels construction.

Our technology also makes an important contribution in compressors for biogas digesters, extraction of gas pollution from soil and in many other fields.







■ Oil Free Rotary Vane Pump SC.140





Chemical Industry

From solid to liquid to gas: vacuum uses and applications.

In the chemical industry DVP technology applications are relevant for processing primary materials for production on an industrial scale and transfer of gases, chemical substances, mixtures and other types of material

Among the recommended uses for vacuum pumps are distillation, drying and degassing. DVP technology can also be used for the evaporation of thin layers and for coating.



Oil Lubricated Vane Vacuum Pump LC.20



Oil Lubricated Vacuum Pump RC.50M



Food and Beverage

Vacuum and its "flavours".

The food sector and bottling are some of the fields where vacuum technology is principally used. We can always find a vacuum pump in the most common applications like food processing or ovens. But we can also find them in more specific applications such as the humidification of tobacco, cleaning vegetables, ham drying, aeration of potatoes, salmon processing machines, sausage making machines.

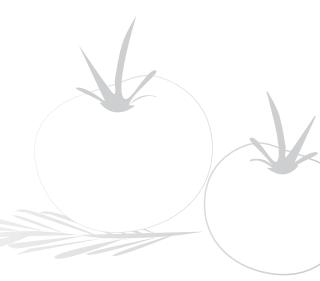
Other uses are in dairy processing, coffee roasting and sugar production. Each of these fields uses the vacuum technology in which DVP has over 40 years' experience.



Oil Lubricated Vane Vacuum Pump LC.106



Oil Free Vane Vacuum Pump SB.16





Packaging

Vacuum packing.

Vacuum technology is essential in food packaging: in filling and sealing machines, in food packing and food processing, and in the production of PET containers. DVP technology is also used in more specific sectors like the removal of waste and packing in different atmospheric conditions.

Vacuum technology is also essential in non-food packaging. Air cushion machines, blister machines, filling and sealing machines tub sealing and production of paper bags are only few of the applications where it's easy to find a DVP vacuum pump.



Oil Free Vane Pump SC.140



Oil Lubricated Vane Pump LC.60





Industrial Cleaning

Cleanliness improves your productivity.

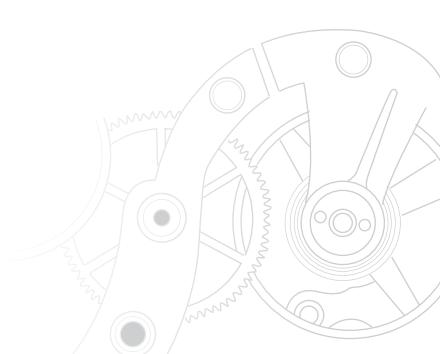
Residual dirt can compromise the functioning and safety of a product; moreover, the sequential processes of the production line require a clean surface. For these reasons vacuum technology can be used for cleaning specific industrial components: de-oiling under vacuum, sandblasting, dry cleaning, vacuum drying.



Oil Lubricated Vane Pump LC.40WR



Oil Bath Vacuum Pump DC.8D





Plastic, Rubber and Resin

From clingfilm to composite materials.

DVP products also find applications in technology for plastic, rubber and resin processing.

Some examples: calibration, contact-free turning of plastic film, dryers, vacuum processing, production of composite material, manufacture of expanded polystyrene foam.

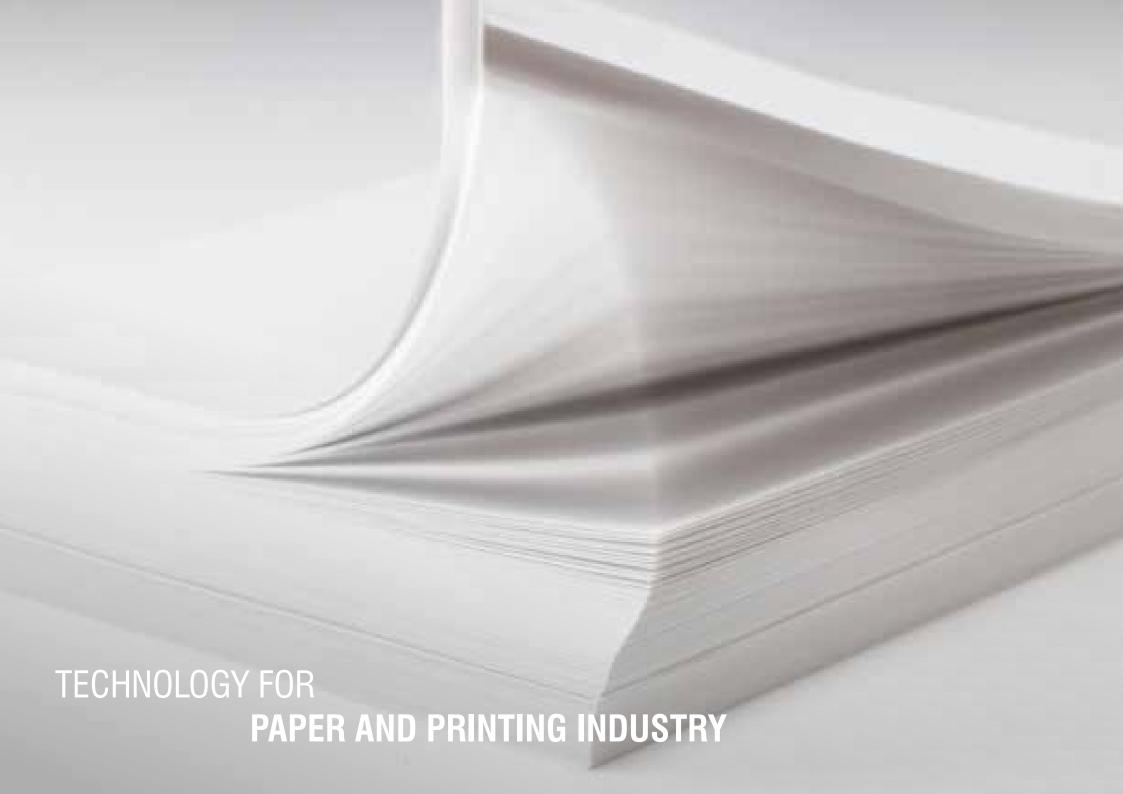


Oil Lubricated Vane Vacuum Pump LC.20



Claw Pump PA.155





Printing and Paper Industry

Paper comes to life.

Centralised air and vacuum systems are used during the various phases of production of cardboard to realize a finished product. Furthermore in each step of printing and paper production, including the prepress, printing and post-production stages, the use of pressure and vacuum technology is essential.

DVP's experience guarantees the use of advanced products in this sector too.



Oil-Free Vane Vacuum Pump SB.25



Ceramics

A necessary step, with DVP it's better.

Outgassing, a procedure for the removal of gases, is a very important stage in the creation of ceramics, and it's done with vacuum pumps, designed by our researchers and which can also be used in post-production and in the pick and place of products and materials.



Oil Lubricated Vane Vacuum Pump LC.40WR





Glass, Stone, Wood

CNC Routing Machines and much more. Versatility on the fringe of Art.

Vacuum technology is very important in glass, stone and wood processing, especially for CNC (computer numerical control) routing machines.

In the wood field, vacuum technologies are used for the preservation, drying and vacuum pressing of the wood; in the stone and glass fields they are used for holding and lifting. The whole movement process uses pick and place technology. In this sector DVP technology has always been successful and our strong market position has been achieved through the strength of our results over the years.



Oil Lubricated Vane Vacuum Pump LC.40WR



Oil-Free Vane Vacuum Pump SC.140





Medical Industry

Pneumatic beds, surgery aspirators, autoclaving.

All the best for our health.

Vacuum technology plays a main role in the production of and accessories used in the medical field. Our contribution to health is something we are very proud of.

Pneumatic beds, chair hoists, central vacuum systems, steam sterilisors (autoclaving), technical and medical respiratory devices and surgical aspirators are only some of the products we manufacture using vacuum technology Vacuum is also very important in the dentistry and orthopaedics sectors.



■ Rocking Piston Pumps ZA.20CC



Portable Vacuum Systems CPA.3H x 305



Pneumatic Conveying

Your productivity is in movement.

Vacuum pumps and compressors play a main role in the pneumatic conveying field using both aspiration and compression.

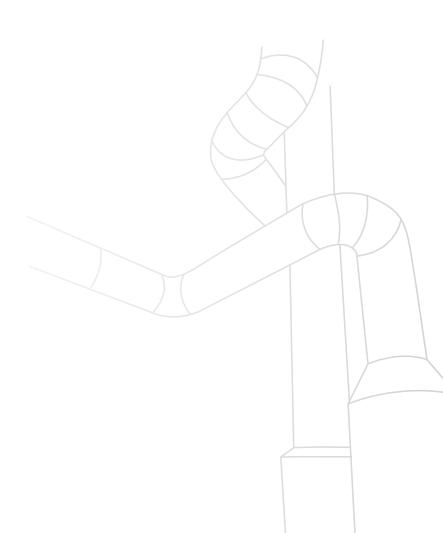
Our 40 years' experience allows us to respond to all requests, ensuring quality and efficiency.



Oil-Free Vane Vacuum Pump SC.140



Claw Pump PA.155





TECHNOLOGY FOR CONDITIONING AND REFRIGERATION INDUSTRY

Refrigeration and Air-Conditioning

Protecting the environment, ensuring functionality.

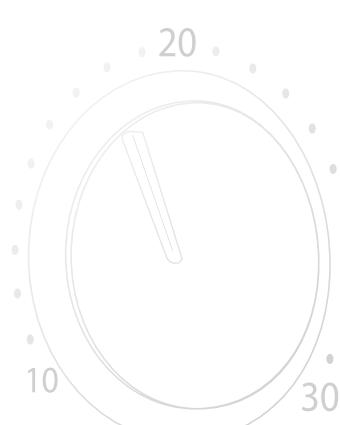
In the refrigeration and air-conditioning field, DVP vacuum pumps play a major role. They are used both in the residential and automotive sectors to aspirate air and eventual moisture to guarantee proper functioning of the air-conditioning.



Oil Bath Vacuum Pump RC.8D



Oil Bath Double Stage Vacuum
Pump DC.4D





Metallurgy, Metallization, Semiconductors

Because every metal is precious.

DVP has developed a series of products that efficiently answer market needs. A continuous research and development process ensures a standard top level position for our products.

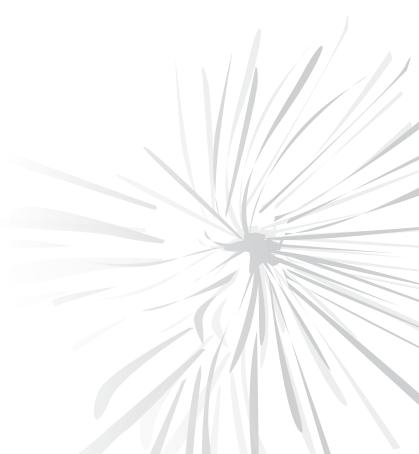
Some of the fields where pumps or compressors are found: particle accelerators, dactyloscopy (fingerprint analysis), optoelectronics, tribology. Other applications include: glass coating, magnetic storage, optical coating, decorative coating, optical storage, Glove Box applications, welding technology.



Oil Lubricated Vane Vacuum Pump LC.60



Oil Bath Vacuum Pump DC.8D.





Analytical Field

From microbiology to the immensity of space.

There are three macro-groups in the analytical sector: organic, inorganic, biological.

DVP vacuum technology can be applied in some fields of the analytical sector: laser, leak detectors, freeze dryers, mass spectrometers and chromatography, laboratory autoclaves, microscopy, space simulators, under vacuum distillers, gel dryers, centrifuges and laboratory autoclaves.



■ Oil Bath Vacuum Pump DC.16D



Oil Bath Vacuum Pump RC.4M

