

The experience and production capacity of Vuototecnica has originated a division specially dedicated to the graphics and printing sector. A reference entity, ranging from engineering to services, that offers innovative and advantageous technical solutions under every point of view: performance, reliability, duration and operational economy. A significant demonstration of the Graphic Division specialisation is represented by the new range of products among which:

PNEUMATIC SUCTION AND BLOWING PUMPS

These state of the art multi-ejector (multi-stage) pumps are very versatile and can either suck or blow, according to the requirements, thus representing a true evolution compared to the traditional rotating vane pumps. These pumps feature state of the art ejectors and boast an exceptional ratio between the amount of consumed air and sucked (or generated) air, all to the benefit of operational consumption. Moreover, they adjust the vacuum (or pressure) level and capacity according to the air supply pressure. The state of the art hi-tech materials have considerably reduced the weight allowing them to be installed directly on the machine. The Vuototecnica research centre has focused its attention on noise reduction, with solutions that provide for full soundproofing and no moving parts, thus prolonging duration and eliminating any vibration. Furthermore, these pumps are based on the Venturi principle which exploits the compressed air kinetic energy via in-line ejectors and, therefore, do not develop heat. The excellent compressed air and sucked filtration allows blowing air free from oil vapours, water condensation and impurities, between the sheets of paper to be separated and in the work environment, causing no pollution. Other assets of this safe and competitive technology include a minimal maintenance, limited to a regular filtre cleaning operation, and a reliability with no comparison. The pneumatic suction and blowing pumps are described in the following pages.

VACUUM CYLINDERS

By assembling a vacuum cup onto their perforated stem and creating a vacuum, the cup will quickly come into contact with the sheet or the object to be handled and it will automatically lift it, holding it until the vacuum is excluded. For all these features, this range of cylinders combined with cups are particularly recommended for separating sheets of paper or plastic. The advantages include: high speed operation, automatic compensation of the height of the objects to be lifted, non-rotating stems and extremely easy fixing. These vacuum cylinders are described in the following pages.

CUPS

They come in a large variety of shapes and sizes, to guarantee a quick and safe grip and they can be provided in anti-abrasion natural para rubber, nitrile or oil-resistant rubber, silicon, Viton, polyurethane and other compounds, according to the requirements. Vacuum cups are described in detail in Chapter 1; this chapter, however, will focus on the disc cups only.



**Low air consumption and limited weight.
Surprisingly silent operation and total absence of heat.
Great respect for the work environment and minimal maintenance.**