GRAPHIC DIVISION

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
This new generation of highly versatile multiple-ejector pumps (multi-stage) are able to suction or blow as needed and represent a real evolution compared to conventional rotary vane pumps. Characterised by their new generation of ejectors, these pumps boast an excellent ratio between the quantity of air consumed and that suctioned (or generated), benefiting operational consumption. Their level of vacuum (or pressure level) and flow rate can be adjusted based simply on 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 vibrations. 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 filtration of the compressed air supply and intake air allows the intake of air free from oil, water condensates and impurities from between the sheets of paper to be separated in the working environment, with no pollution. Other assets of this safe and competitive technology include a minimal maintenance, limited to a regular filter cleaning operation, and 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. Thanks to all these features, this range of cylinders combined with cups are particularly recommended for separating sheets of paper or plastic. 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 illustrated and described on the following pages.

VACUUM CUPS
These 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, silicone, FKM, polyurethane and other compounds, according to the requirements.
Vacuum cups are described in detail in Chapter 1. This chapter on the other hand will focus on disc cups only.

Low air consumption and lightweight.
Surprising silence and total absence of heat.
Maximum respect for the work environment and minimum maintenance.