

AFFORD[®]

SOLUTIONS FOR
NARROW WEB
PRINTING

Quality Solutions

AFFORD®



About us

AFFORD® is a manufacturer of inks and coatings to solve the needs of its customers decorative or functional needs in their industrial application requirements. As such, AFFORD® is a leader company in the manufacture of inkjet, screen and pad printing inks, UV varnishes, UV flexo inks and UV offset inks.

Founded in 1976, and with its headquarters in Madrid, AFFORD® goods can be identified by its reliability, consistency, quality and innovation. The quality of our products is guaranteed through very tight controls and is widely recognised by our customers in more than 50 countries.

Research is a key element for the success of our company. To keep state of the art products we invest significant amount of resources in R&D.

Why choose AFFORD®

AFFORD® aims to produce the best inks and coatings. There are many companies producing inks, but we have been doing so for over 40 years and there must be good reasons for that.

We try to exceed the market standards and our production is strictly monitored to achieve batch to batch consistency. These elements conform a unique offer that maximizes throughput and warrants the consistency of the printing process.

AFFORD® is an innovative company, and as such, is in constant evolution. We are pioneers in inkjet ink manufacturing, which was started in 2001, and in UV curable inks and varnishes, whose research was started in 1984. AFFORD® has been recognized by the Spanish Ministry of Industry as "Innovative Company" and has been awarded with R&D recognitions through the years.

AFFORD® has state of the art research and production facilities. We are constantly looking to satisfy special requests for demanding industrial applications. Our extensive knowledge of analogical and digital systems allow us to provide the best solutions for your demands.

History

AFFORD® produces screen printing inks since its origins in 1976. Through these years we have developed an extensive screen printing ink range that fulfills almost any demand in the market.

Since 1984 we manufacture UV curable screen printing inks, being one of the pioneer companies in this field. This has allowed us to develop many customized solutions that enable us to provide you a specific ink.

It was a bit later, in 1997, when we bought a little factory called Prosemo, that was dedicated to the production of water based textile inks. This allowed us to enter in the textile market. In 2001 we produced our first plastisol inks and three years later we pioneered again with non-PVC real plastisol inks.

Also in 2001, AFFORD® started the research to produce inkjet inks, As a result, our first commercial inkjet inks were released in 2003. In 2004 our UV inkjet inks were released. Our ecosolvent inks are in the market since 2006.

In 2007 we purchased the screen printing chemical division of Urbion, which was dedicated to the production of emulsions and ancillary chemicals for screen printing. In the recent years we have concentrated in the optimization of our ink ranges, in order to enable our customers to operate with the best productivity. AFFORD® is one of the few companies that is dedicating R&D resources to screen printing.

In 2014 an expansion plan was implemented, adding new manufacturing capabilities and a site expansion.

Today AFFORD® operates on a total of 3000 sqm covered facilities and another 7000 sqm uncovered facilities. A new plant expansion is planned for end of 2016.

AFFORD® Solutions

AFFORD® has developed a complete portfolio of solutions for the different printing and decoration systems applied in the label market. Our origin comes from screen printing, which allows us to offer the widest range of products to offer high added value labels through specialty finishes.

AFFORD® is one of the few manufacturers that can provide a global solution for all printing technologies, which includes UV flexo, UV rotative letterpress, UV offset, screen printing inks and inkjet inks.

In AFFORD®, the concern for the health and safety issues are also high. As a result, our range has been completed with low odour and low migration varnishes and inks, in order to offer the safety that global brands require for their packaging.



AFFORD® UV Varnishes

UV varnishes must create an impact on the print, in order to highlight the final product. UV flexo is the most common printing system, and gloss finish accounts for most of the consumption among UV varnishes, but the number of finish possibilities that can be achieved by using UV varnishes with other finish and application processes are almost endless. This combination results in packaging differentiation and customer perception at the point of sale.

Some of the demands are purely stetic: ultracristaline, gloss, satin or matt... Regular varnishes, high build, antislippery, rough finish, dry erase... In other cases the strength is set at its functionality: varnishes optimized for glitters, for thermochromics, with good adhesion onto digital inks, that have to be hot-stamped afterwards..

As well, health and safety issues require that sometimes vanishes need to be formulated for low migration or low odour applications. AFFORD® compromise is to offer a solution for each of the needs. With an increasing range of more than 60 standard UV varnishes, AFFORD® can offer the right varnishes for your need.

AFFORD® UV Flexo Inks

AFFORD® manufactures a range of UV flexo inks specifically designed to maximise throughput and simplify the production process. A careful color selection will allow you to obtain extremely close reproductions to certified color originals, minimizing your time set up and maximizing your productivity.

Label printing is a very demanding process that implies that the inks have to be suitable for multiple printing and conversion processes. AFFORD® UV flexo inks are engineered to withstand these processes, including foiling, lamination, varnishing, die cutting, embossing, etc.

AFFORD® proprietary milling technology is used in the grinding of the pigment, allowing to achieve high pigment loads with very low viscosity. This turns out into inks that offer excellent and vibrant colors and while keeping excellent viscosity and flow to ensure a perfect press operation.

The concern for the environment and consumer needs has always been a driving force at AFFORD®. As a result, we can offer low migration or LED grades to fulfill the requirements of the most demanding customers.



AFFORD® UV Offset Inks

AFFORD® UV technology has brought to the market a range of UV inks that include solutions for printing on almost any substrate that can be fed onto an offset printer, including papers, foldings, PVC sheets, PP sheets..

As well, the demands for low migration solutions in the packaging industry have been fulfilled with 2 ranges, that cover most of the possible applications.

AFFORD® UV offset inks keep an excellent water balance that results in clean, deep and sharp images. Aware of the new market needs, AFFORD® has already developed a range of LED curing offset inks.

AFFORD® UV Rotative letterpress

UV rotative letterpress is the preferred printing technology in the label industry for short run applications. Inks must give vibrant colors, with excellent stability on the press. AFFORD® range for rotative letterpress includes sets for paper and sets for plastics, optimized for the endless range of substrates that can be used in the label industry.

AFFORD® has developed outstanding metallic effect inks that will make labels shine at the point of sale.

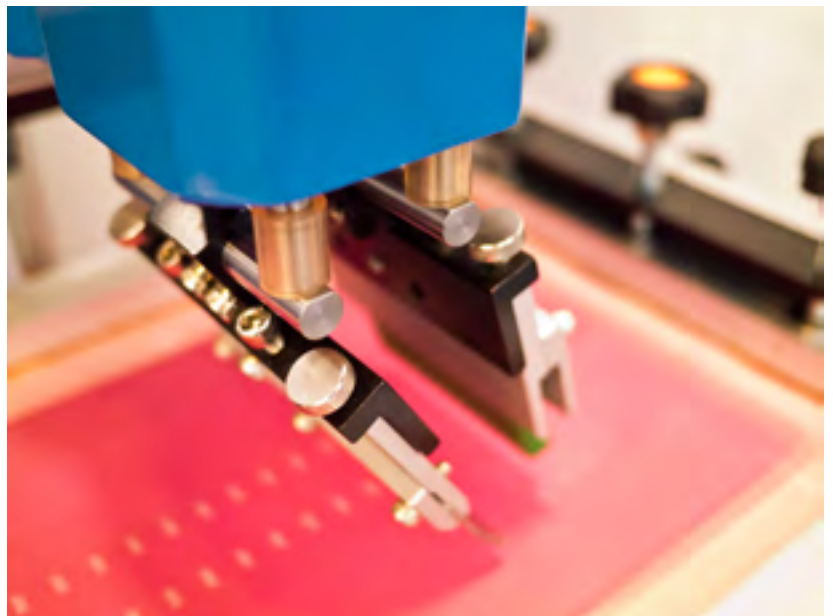
AFFORD® screen printing inks and specialties

AFFORD® origins are in the manufacturing of screen printing inks. AFFORD® is a leader in the production of specialty inks and varnishes for the screen printing.

Screen printing is the method that will probably give the highest added value and differentiation to a label. The possibilities that can be created by screen printing are almost endless, including braille varnishes, soft touch varnishes, rough feeling varnishes, 3D effects, thermochromic inks, scratch and sniff inks, aroma inks..

AFFORD® produces ranges that are suitable for flat screen printing as well as for rotary screen printing. Whites will give high coverage on transparent materials, allowing overprintability on different printing processes or other finishes such as hot stamping.

Our dedication to screen printing through the years allows us to offer more than 50 standard screen printing varnishes that will give designers unlimited possibilities.



AFFORD® has dedicated as well extensive research to specialty inks manufacturing, such as thermochromic inks, that we can offer in a complete color range in temperatures that vary from 0 to 80°C. Scratch and sniff inks are available in more than 40 aromas and customized microencapsulation can be made.

Mirror silver inks have also been developed that allow to replace hot stamping.



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