



The FNMT-RCM Burgos Paper Mill



At Fábrica Nacional de Moneda y Timbre-Real Casa de la Moneda (FNMT-RCM), the making of each product is founded on security applied in the production processes, in the treatment of information and in the protection of both its premises and its products, with systems such as the marking and tracking of 100% of its manufactured sheets.

For over 65 years, the FNMT-RCM Burgos Paper Mill has been making prime-quality paper meeting the requirements of the most demanding customers in both the national and the international scopes.

The quality of its paper is underpinned by years of experience in making its traditional products and by its longstanding activity in exporting to banknote printers all over the world. On account of the mass production of euro paper and the institution's active involvement in countless development and improvement projects in this field, FNMT-RCM enjoys great prestige in the Eurosystem and has attained high **security and quality** standards in the processes and machinery it uses in the production of paper for countries worldwide. All of that under strict controls for the protection of the environment.

The Paper Mill's history



The Burgos Paper Mill came into operation in 1952 **producing the first watermarked sheet of paper in 1953**. It was built for the purpose of meeting the demand for security paper in the production of domestic banknotes, thereby avoiding the need to import. At that time, the mill's production capacity was already as high as two tonnes of high-security paper per day.

In view of the growing needs and the new technological developments seen towards the end of the sixties, the mill underwent an upgrading process which affected its raw materials, machinery and work methods.

In addition to covering the domestic need for security paper, since 1998, the mill has been exporting to banknote printers in Belgium, France, Portugal, Greece, Nigeria, Colombia, Mexico, the Philippines, Argentina and others.

It acted as Official Testing Laboratory for the **Euro notes Zero Production** paper, and was also one of the few European paper mills to make paper for all euro values.

Three of the first Euro banknote Series watermarks were created at the Burgos Paper Mill as well as the two first watermarks of the second Euro banknote Series were made as reference in the premises.



The paper machine



Mindful of the need to adapt to a highly competitive, ever-changing world, over the last 20 years, the Burgos Paper Mill has brought in a number of modifications geared towards the updating of the entire productive process so as to gain a place at the forefront of the sector at the global level.

The process saw its culmination in the launching of an ambitious project aimed at the **technological upgrading** of its paper machine, along with the installation of auxiliary equipment.

The modifications of the machinery have led it to expand its premises with new buildings.

The improvements to the machine have taken production up to 3,500 tonnes a year in any of the existing qualities and formats.

With the current paper machine, all paper formats demanded by the market with the highest quality standards and product characteristics can be produced.

These and other characteristics open the door to a larger market and place the Burgos Paper Mill at the spearhead of security paper production, counting with **the latest generation control and inspection tools**.

TACTOCEL® Innovation



The Burgos Paper Mill has developed **TACTOCEL®**: a tactile recognition feature in the paper. It consists in a new technique for the insertion of authentication elements or characteristics during the security paper production process.

These new characteristics are incorporated into the paper by means of cellulose supports or strips of low-grammage paper, using special insertion devices developed by FNMT-RCM.

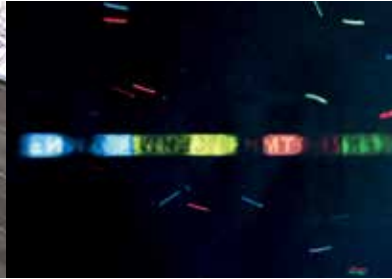
The entire process is controlled by state-of-the-art technology.

It also provides the option of incorporating a variety of security features and elements, such as phosphorescence, multi-luminescence, magnetism, etc.

This is just one of the many patents developed by the Burgos Paper Mill through its creative new products research and development (R&D&I) areas, amongst which, several else can be found: security nanomarkers, high strength fibres, weft threads, etc.



Value-added



For years, FNMT-RCM has been a supplier of euro paper to various printers at European central banks while providing paper for banknotes and other security documents to other central banks, holding authorisation in about 50 countries.

The **quality** of FNMT-RCM's security paper is endorsed by its **experience** as a producer spanning over half a century and has been adequately proven in the making of its products: banknotes, passports, postage stamps and so on.

