



Passion for coated speciality papers

Mitsubishi HiTec Paper

Enthusiasm.

Our relationship with paper

Coated speciality papers – That is our passion. Thermal paper, inkjet paper, carbonless paper or particularly sustainable barrier paper for packaging: we offer a full range of first class coated speciality papers for many applications and printing technologies, all over the world from a single source.

Our products meet the highest technological standards and are truly high-tech papers. They combine the know-how of experienced papermakers with excellent coating technology and professional converting. The base papers for our speciality papers are produced in-house. This means the coatings and the base papers are quite literally made for each other.

GLOBAL SALES NETWORK

As part of the international Mitsubishi Paper Mills Group, we benefit from collaboration with our Japanese parent company, Mitsubishi Paper Mills, whilst retaining the flexibility of a medium-sized enterprise. This is the basis for excellent product quality and great innovation.

Paper innovations from Mitsubishi HiTec Paper set standards for new applications. For example, in the area of barrier papers for flexible packaging as sustainable alternative to plastics. It is no coincidence that we are among the world leaders in all our product areas. In addition to our highly specialized, well-developed international sales network, our professional technical service is also available to customers all over the world.

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Competence.

Our criteria for success

The craft of papermaking has a long tradition all over the world. In Japan the first paper was produced more than 1,400 years ago and the first German paper mill was founded in the fifteenth century. With its corporate headquarters in Tokyo, seven production and two research centres in Japan and further facilities in China and Germany, the Mitsubishi Paper Mills Group is known internationally for outstanding product quality and leading innovation.

Mitsubishi HiTec Paper in Germany is part of the Mitsubishi Paper Mills Group's global success story. Our location in Bielefeld in eastern Westphalia looks back on a long papermaking tradition, as paper has been produced here for more than 220 years.

HIGH-TECH MILL

Today our mill is truly high-tech. In Bielefeld, we have a total available capacity of 145,000 t per year for the coating of speciality papers – and different coating technologies:

- > Curtain coater
- > Blade coater
- > Rod coater

Every day, our employees do their best to provide our customers with first-class speciality papers and individual solutions. We are in constant dialogue with business partners and OEMs around the world to develop customised solutions for every application.

As professionals we support our customers from the first discussion through to the required speciality paper and its application. We do not stop until our customers are completely satisfied. We have highly qualified experts to answer all printing and processing technology questions: a skilled team made up of trained printers is available to our customers around the world to answer any questions. This also contributes to our success.

» Quality base paper is the foundation. Incomparable added value is created by excellent coating. This is our passion: First class HiTec Paper. «





Coating machine 3

High Performance.

Our Bielefeld location

Paper has been manufactured at our Bielefeld mill close to the Teutoburg Forest in East Westphalia since 1799. At the end of the 1940s the future potential of coating technology was recognised, and this led to investments in large and above all high-performance systems.

This was then followed by the construction of a multi-stage, mechanical chemical biological wastewater treatment plant and the on-site construction of an energy-efficient gas and steam turbine power plant (joint contracting with Stadtwerke Bielefeld). These decisions characterize the mill today. Responsibility and high performance are our standard, now and in the future.

PAPER MACHINES

PM 1

- > Type: Fourdrinier paper machine
- > On-line coater: film press
- > Working width: 2.90 m

PM 3

- > Type: twin-wire paper machine
- > On-line coater: film press (for surface sizing and functional coating)
- > Working width: 5.80 m

FURTHER SYSTEMS

- > Converting and packaging lines
- > Multistage mechanical, chemical and biological water purification
- > State-of-the-art gas and steam turbine power plant (combined heat and power generation)

COATING MACHINES

CM 1

- > Working width: 2.90 m

CM 2

- > Working width: 2.90 m

CM 21

- > for multiple coating and special products
- > Working width: 2.90 m

CM 3

- > Curtain coater
- > for multiple coating
- > Working width: 2.90 m

FACTS

FOUNDATION:	1799
LOCATION:	Bielefeld
MILL AREA:	418,000 m ²
CAPACITY:	145,000 t/year
WORKFORCE:	516 (June 30, 2023)
TURNOVER:	EUR 271 M (2022)
EXPORT RATIO:	80 % (2022)
PRODUCTS:	thermoscript jetscript giroform barricote



Engagement.

Our understanding

The know-how and commitment of all our valued more than 500 employees form the essential foundation of our success. Because we recognise this, we have developed a certified occupational safety and health management system. It includes a variety of health-promoting and health-preserving measures that can be used by every employee.

The compatibility of family and work is important to us. Our employees come to work with bicycles and e-bikes, the purchase of which we support financially. In addition, we invest continually in the professional training and development of our employees, offering both internal and external training. And through our successful online training programme, colleagues are able to keep themselves informed about news and information from all areas of the company.

WE ARE PROUD OF THAT

Our employees agree with this. Many colleagues stay with us for decades and there are some cases of three generations from one family working for Mitsubishi HiTec Paper. The average seniority of our employees in our plant is around 16 years.

Another factor which contributes to our success is the constant exchange of knowledge and skills within the Mitsubishi Paper Mills Group. By this we mean the active exchange of information and experience with our global colleagues from all continents. Transparent communication and good networking lead to intercultural understanding. This results in a committed and responsible workforce of which we are proud.

PROMOTE YOUNG TALENTS

A particular area of focus is the encouragement of young talent. Well trained employees are our future. That is why, in addition to studying, trainee programs and internships, we also offer young people promising apprenticeships:

- > Paper technologist
- > Industrial mechanic
- > Industrial clerk
- > Machine and equipment operator
- > Electronics technician for industrial engineering
- > Electronics technician for automation technology
- > Metal cutting mechanic



Responsibility.

Our self-perception

As a global company with German-Japanese roots, we are very aware of our global responsibility. The responsible use of resources and the sustainable production of high-quality specialty papers are particularly important to us. We mainly use renewable raw materials and develop new innovative products that contribute to a sustainable society. To achieve sustainable energy production, we use highly efficient combined heat and power generation in our modern gas power station.

CONSERVE RESOURCES

As cellulose, wood forms the basis of our high-quality specialty papers. More than 95 % of the materials used are natural fibres and fillers. In addition, water and energy are required. Through the use of innovative technologies, we have been able to continuously reduce water and energy consumption per amount of paper produced for years. It goes without saying that we continuously invest in wastewater purification. And we are shifting a large part of the global transport to rail and sea-based methods, thus benefiting from intermodal transport.

LIVE SUSTAINABILITY

We consistently focus on sustainable forestry: Our plant in Bielefeld is certified in accordance with FSC® (Chain-of-Custody) and PEFC™ (Chain-of-Custody), and all our products are FSC® Mix or PEFC™ certified.

As part of our integrated management system, quality, environmental and energy management certifications are a matter of course for us. Our location was successfully hygiene-certified in 2018, followed by certification of occupational safety and health management in 2020. And we have set up a compliance management system. Voluntarily and responsibly.

WE TAKE OUR RESPONSIBILITIES SERIOUSLY

Social responsibility is an important element of our corporate culture. One focus is the promotion and development of young people in the region where our mill is located. We take an active part in environmental initiatives and associations such as B.A.U.M and ChePap Rhein-Ruhr. As a founding member of the "Modellfabrik Papier", we are working on the paper mill of the future in order to achieve the climate targets of tomorrow. Because we take responsibility seriously.

With our particularly sustainably designed products such as barricote barrier papers and the new thermoscript PURE, we contribute to resource conservation and circular economy. Smart and environmentally friendly.

The certifications of both plants confirm that we act responsibly:

- > FSC® Chain-of-Custody
- > PEFC™ Chain-of-Custody
- > DIN EN ISO 9001
- > DIN EN ISO 14001
- > DIN EN ISO 50001
- > INREKA, DIN EN 15593
- > DIN ISO 45001



**WE ARE
ACTIVE**

B.A.U.M.

ChePap Rhein-Ruhr

Modellfabrik Papier

Ökoprofit Klub OWL

Two Sides

Agility.

Our innovation drivers

As a pioneer in photo and inkjet paper technology, an experienced producer of high-quality thermal papers and a forerunner in the field of barrier papers for flexible packaging, we are one of the leading suppliers of coated speciality papers. Our innovative strength does not come by chance. Because our research & development consists of true experts.

EXPERTS IN INNOVATIONS

Highly qualified paper technologists, chemists, project managers, engineers and CTAs act as innovation drivers. Modern project management and basic research lead to radical and incremental innovations. Our laboratories not only optimize existing products and make processes more efficient, but also develop the speciality papers of the future.

OPTIMISATION FOR CUSTOMERS AND ENVIRONMENT

In close cooperation with Production, Sales & Marketing, Product Management and Quality Assurance, the focus of all our developments is on concrete customer benefits. We check and test our papers in the application technology department in order to optimise them for further processing and their behaviour at the end customer. We work together with the laboratories of our Japanese parent company as well as with OEMs, paper technology institutes, universities, customers, users and partners in the value chain.

Through intensive market observation, stringent knowledge management and in close coordination with the IP department, we register around 10 patents annually. Our 200 active patents stand for a high level of innovation. We are proud of that.

With all innovations, it is particularly important to us to minimize the impact of our products and processes on the environment. The development of sustainably designed special papers such as barricote and thermoscript PURE are impressive proof of this.

FACTS

MODERN EQUIPMENT:	<ul style="list-style-type: none"> Technical centre with curtain coater Electron microscopy Optical microscopy Image analysis Spectroscopy Thermal analysis Rheology etc.
PATENTS:	<ul style="list-style-type: none"> 200 active patents 10 patent applications per year



Coated.

Our speciality papers

Thermal paper, inkjet paper, carbonless paper or barrier paper for flexible packaging – our product range offers first class coated speciality papers for many applications. Our products meet the highest technological standards and are truly high-tech papers. They combine the know-how of experienced papermakers with excellent coating technology and professional converting.

We produce the base paper in-house. The special pre coatings and the functional coatings enable specific applications and meet the highest demands such as brilliant print images, effective barriers, high stabilities and much more – even double-sided.

Our product developments are consistently targeted to the needs of the markets. Because our customers have the highest priority. We are continuously working on optimizing our specialty papers. At the same time, we develop innovative products that are particularly sustainable.

Such as our fully recyclable barricote barrier papers or thermoscript PURE, our sustainable thermal paper without chemical colour developers.

Of course, a global sales team, reliable customer service and professional technical service are available for all products. Thus, we are amongst the leading suppliers in all our product segments.


thermal paper


inkjet paper


carbonless paper


barrier paper



PHB
4600

PHB
4600

thermoscript

Thermal paper

Thermoscript offers thermal papers for label, POS and ticket applications, including phenol-free grades. Worldwide.

We offer a wide range of high-quality thermal papers for many applications. Various specialities complement the wide range of standard products. These include linerless label papers and thermoscript PURE, our sustainable thermal papers without chemical developers.

Each area of application follows its own rules and sets its own requirements. Whether labels, receipts at POS, admission tickets, railway tickets or medical ECG printouts, we deliver individual and innovative thermal paper all over the world.

AT A GLANCE:

- > 42 – 170 gsm
- > Several sensitivity levels
- > Excellent print image even on fastest thermal printers
- > Archivable for up to 40 years
- > Excellent bar code readability
- > Phenol-free products available
- > Specialities available
- > ISEGA certified for food contact
- > FSC® Mix or PEFC™ certified available



APPLICATIONS



POS



Medical



Label



Admission



Logistics & Transportation



Inkjet paper

The wide jetscript range of high-quality coated inkjet media is designed to meet the needs of many different applications.

What makes it special: Our jetscript inkjet papers have special ink receiving layers. These do not only enable excellent print results and extraordinary large colour gamuts, but also fast drying properties as well as excellent compatibilities with dye and pigment inks.

The applications in this area are diverse: photos, posters, proofing, labels or high-speed inkjet printing applications such as direct mail or brochures. With more than 40 inkjet paper grades products and a large selection of different surfaces, the wide jetscript range always offers the right solution. Single-sided or double-sided coated.

In the in-house Mitsubishi Application Centre for Digital Imaging, we test our inkjet papers on all major desktop and wide format printers. In order to achieve our targets and to ensure consistent market leading quality, print results are analysed using the latest instruments.

AT A GLANCE:

- > 70–290 gsm
- > Single-sided and double-sided coated
- > Choice of surfaces:
 - matt
 - semi-matt
 - satin
 - semi-glossy
 - glossy
 - lustre
- > All standard plotter and jumbo roll widths
- > Proofing papers FOGRA certified
- > ISEGA certified for food contact
- > FSC® Mix or PEFC™ certified available

APPLICATIONS



Photo



Signage
& Posters



Proofing



High-Speed



Label





Carbonless paper

The world-wide renowned giroform range offers carbonless papers in three organisational colours, impressing with both excellent copy and outstanding line sharpness.


The giroform CLASSIC range comprises a variety of high-quality carbonless papers with wood-free base paper and black copy. The papers have a high copy intensity with strong contrast and excellent line sharpness and are suitable for all types of form sets, e.g. logistics forms.

Giroform ULTRA with its bright white uncoated paper surface is particularly suitable for demanding documents such as business forms. The increased opacity as well as the excellent printing properties are especially important for high-performance format printing.

Our team of specialized professionals are on hand to solve any form problems users and processors may have, and at short notice.

AT A GLANCE:

- > Excellent copy
- > Outstanding line sharpness
- > Copyability guaranteed up to 5 years
- > Copy lasts up to 10 years
- > Very good printability
- > Good running and processing properties
- > Available in white, yellow and pink
- > FSC® Mix or PEFC™ certified available
- > Accessories such as desensitizing ink etc. available


HOTEL INTER-CONTINENTAL LONDON
ROOM SERVICE BREAKFAST ORDER FORM
 Please hang this on the door knob outside your room before 5.30 a.m.

Date: _____ Room No. _____ No. of Persons: _____

<input type="checkbox"/> 6.30-6.45	<input type="checkbox"/> 6.45-7.00	<input type="checkbox"/> 7.00-7.15	<input type="checkbox"/> 7.15-7.30	<input type="checkbox"/> 7.30-7.45
<input type="checkbox"/> 7.45-8.00	<input type="checkbox"/> 8.00-8.15	<input type="checkbox"/> 8.15-8.30	<input type="checkbox"/> 8.30-8.45	<input type="checkbox"/> 8.45-9.00
<input type="checkbox"/> 9.00-9.15	<input type="checkbox"/> 9.15-9.30	<input type="checkbox"/> 9.30-9.45	<input type="checkbox"/> 9.45-10.00	<input type="checkbox"/> Other _____

EARLY MORNING £5.00
 In Cabin Out Cabin In Cabin Out Cabin
 Tea Coffee
 To be served at _____

CONTINENTAL BREAKFAST £18.60

Gates tyres





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 Cumbria CA14 4JF
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 Commercial & Truck Enquiries Retail & Trade Enquiries

www.tyres@gates tyres.co.uk

SERVICE RECORD / BREAKDOWN ASSISTANCE

ID: _____
Date: _____

SUPPLIED TO:	ADVISE HOTEL/PHONE NO.:
ORDER No.:	DRIVER'S NAME:
VEHICLE REG. No.:	POSITION ON VEHICLE:
TRAILER FLEET No.:	TYRE SIZE & PLY:
LOCATION OF BREAKDOWN:	SPEEDO/TRAILER MESSAGE READING:
TELEPHONE No. OF BREAKDOWN:	

GOODS SUPPLIED

QTY	SIZE	MAKE	TYPE	NEW/RMD	SERIAL Nos.

GOODS REMOVED

QTY	SIZE	MAKE	TYPE	NEW/RMD	RTD	SERIAL Nos.

I CERTIFY THAT _____ DRIVER'S SIGNATURE

barr)icote

Barrier paper

Food and non-food packaging is no longer just about protection, storage and smooth transportation of the goods. The focus is on topics such as waste prevention, replacement of plastic packaging, use of more sustainable materials as well as recyclability and circular economy. What is needed are innovative solutions that protect the product, the environment and the consumer.

With barricote BAG, LINER and WRAP we have developed a range of particularly innovative and environmentally friendly barrier papers for flexible packaging of food and non-food. Our barricote barrier solutions are paper products made from virgin fibres. We use water-based coatings to protect the food.

With a complete absence of plastic films and fluorocarbons, barricote papers offer effective protection against water vapour, grease and oil, oxygen and aroma as well as mineral oil migration. They are recyclable and can be fed into the wastepaper cycle.

Barricote barrier papers are certified for direct food contact. They can be used as wrapping papers as well as for bags and pouches. Effective, safe and sustainable.

AT A GLANCE:

- > 44–87 gsm
- > Paper products made from virgin fibres
- > Water-based coatings for combinable barrier functions against
 - water vapour
 - grease / oil
 - oxygen / aroma
 - mineral oil migration
- > No use of plastic films, extruded polymers or laminates
- > High content of biodegradable ingredients
- > No fluorocarbons used
- > Reverse side offset and flexo printable
- > Heat-sealable
- > Hot melt glueable
- > Recyclable
- > Certified for direct food contact (e.g. BfR XXXVI)
- > Hygiene certified (INREKA, DIN EN 15993)
- > FSC® Mix or PEFC™ certified available



APPLICATIONS



Bag paper



Wrapping paper



As a responsible manufacturer, we strive to produce and process our products in the most environmentally friendly way and to the highest standards of quality. We take our social responsibility seriously and are active in various environmental associations and organizations. Complying with and conforming to rules and regulations goes without saying. Social commitment is an important part of our corporate culture.

Certifications:

- › FSC® Chain-of-Custody
- › PEFC™ Chain-of-Custody
- › DIN EN ISO 9001
- › DIN EN ISO 14001
- › DIN EN ISO 50001
- › INREKA DIN EN 15593
- › DIN ISO 45001



Memberships:

- › B.A.U.M.
- › ChePap Rhein-Ruhr
- › Modellfabrik Papier
- › Ökoprofit® Klub OWL
- › Two Sides

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