



fibers

by barnet

ABOUT BARNET

**we are
barnet and
this is what
we do.**

CLOSE TO THE MARKET

from distributor to producer

Since the foundation by William Barnet II in 1898, Barnet has traditionally been a classic trading company with a global network that has grown over decades. During this period, Barnet has continuously expanded its activities and markets, and gradually developed into a manufacturing company.

The traditional trading of industrial, textile and technical yarns and various fibers is still a central part of Barnet's business activities. In addition, we produce the patented antistatic yarn nega-stat® as well as short-cut and staple fibers and recycled high-performance fibers.

Over the years, the job profile of our sales staff has also changed. While our main activity used to be almost exclusively the buying and selling of fibers, polymers and yarns, technical matters have increasingly come into focus. Today, we closely accompany our customers in the development process of new products if required.

With constant in-house quality controls, material testing and close cooperation with research institutes in the textile sector, we are able to offer reliable products and services. This can range from supplying standard, customized or redefined specialties for high-end textile applications to being your partner for innovative developments.

Continuous development of the portfolio makes Barnet a reliable and flexible partner to this day; always focusing on the needs of the world markets.



1898

Founding of the company



1970s

Purchase of **Arcadia site**, which remains company **headquarters** today



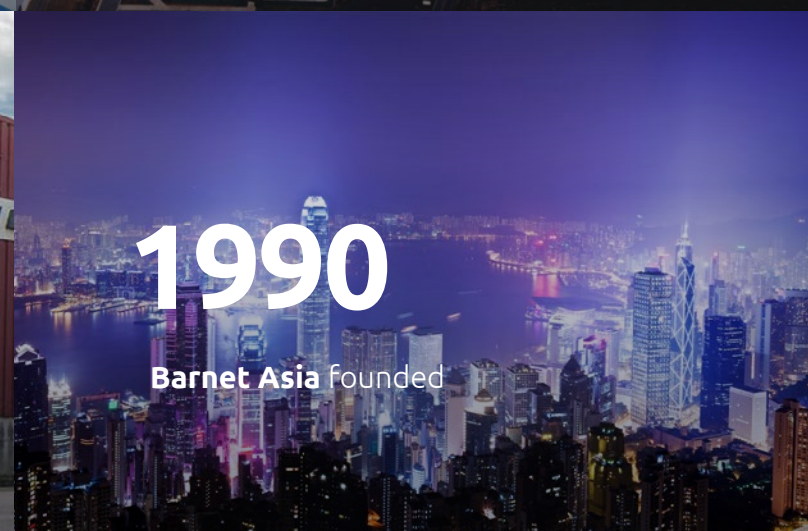
1979

Acquisition of **PCW plant** in **Kinston**



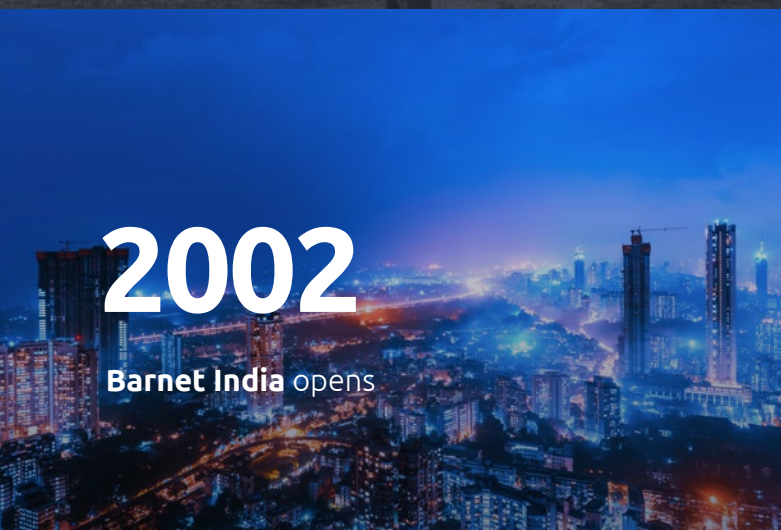
1990

Company purchases **Cherotan Fibres**, which becomes **Barnet Europe** in 1995



1990

Barnet Asia founded



2002

Barnet India opens



2003

Barnet Trading sales office opens in **Shanghai**



2012

Barnet Fibers Manufacturing opens in **Qingpu, China**



2017

Acquisition of **The Davy Group** under **Barnet Europe**



2020

New production facility for **nega-stat®**



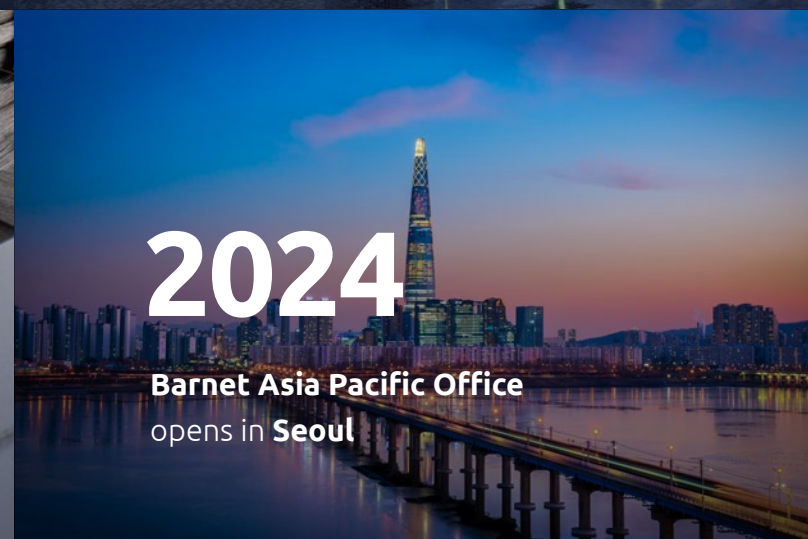
2023

125th anniversary



2023

production facility for **barnet-carbon®**
Oversized & Chopped fibers



2024

Barnet Asia Pacific Office opens in **Seoul**

2000
CUSTOMERS

An icon representing three people, with one person in the center wearing a tie.

500
EMPLOYEES
WORLDWIDE

100000 | **220 MIO**
TONS | POUNDS
ANNUALLY



OVER 125
YEARS
OF EXPERIENCE

50
COUNTRIES

9 LOCATIONS
ON FOUR
CONTINENTS

16 DISTRIBUTION
WAREHOUSES
ACROSS THE WORLD

intelligent materials



VERSATILE POSSIBILITIES

fibers

Our fibers have been used in the textile and paper industry for decades due to their consistent quality. We offer a wide range of products for any kind of application.



EXTRAORDINARY PROPERTIES

high-performance fibers

Thanks to a large selection of different materials, the right fiber performance is available for every requirement.



BROAD PORTFOLIO

yarns

Our textile and technical high-tenacity multifilament yarns offer a broad portfolio for all imaginable areas of application, such as fabrics, nets, ropes, round slings, etc.



STRENGTH AND STABILITY

polymers

Our recycled polymers fully meet the requirements of sustainability in the production of thermoplastic packaging or textile products. If recycled polymers do not fit your application, we offer a range of virgin polymers as well.



THE DEFINING STANDARD
IN STATIC DISSIPATIVE YARNS



nega-stat®

nega-stat® yarns are used in products and industrial end uses where both full grounding is essential (standard workspaces, no mobility issues) or in applications where it is not possible to insure complete grounding.

YOUR
POSSIBILITIES

product range

- | | | | |
|--------------------|---------------|------------|------------------|
| • Polyester | • Para-Aramid | • PEEK | • PAN |
| • Nylon 6/PA 6 | • Meta-Aramid | • Novoloid | • OPAN |
| • Nylon 6.6/PA 6.6 | • HMPE | • PBO | • barnet-carbon® |
| • PP | • PPS | • Viscose | |
| • Polyimid | • LCP | • Lyocell | |

WE CREATE OPPORTUNITIES

fiber solutions by barnet

FULL OPTION SUPPLIER

**our experience is
your possibility**

Barnet is one of the largest global producers and traders of synthetic fibers in both staple and shortcut form. The product range includes first grade and environmentally friendly fibers produced from post-industrial and post-consumer waste materials. The expertise of our product development team enables us to respond to our customer's requirements and offer the right fiber to suit every application.

CUSTOMER BENEFITS

**your solution is
our ambition**

Our aim is to provide the best fitting product. Barnet's core competence also is in consulting. By focussing on the following benefits we identify the ideal material for your products.

- Better performance
- Higher process reliability
- Optimized sustainability
- Better economics
- Unique attributes for your product

INTELLIGENT FIBER SOLUTIONS

challenge us!





**VARIOUS PRODUCT
CERTIFICATIONS AVAILABLE.**
Please ask for your possibilities.
get in touch!

**APPLICATIONS AND INDUSTRIES
when precision counts**

- Wetlaid Nonwovens
- Battery Separators
- Paper
- Automotive
- Wallpaper
- Security Paper
- Hygiene & Medical
- Food & Beverage
- Filtration
- Construction
- Conductive Paper

AVAILABLE MATERIALS

- Polyester
- Nylon 6/PA 6
- Nylon 6.6/PA 6.6
- Lyocell
- Viscose
- PLA
- PVA

Diameter in µm (Polyester)	length / diameter ratio			
	3 mm	6 mm	10 mm	12 mm
4.0 (0.3 dtex, 0.2 den)	697:1	1395:1	2092:1	2790:1
7.5 (0.6 dtex, 0.5 den)	403:1	805:1	1208:1	1611:1
12.5 (1.7 dtex, 1.5 den)	239:1	478:1	718:1	957:1
17.5 (3.3 dtex, 3.0 den)	172:1	343:1	515:1	687:1
25.0 (6.7 dtex, 6.0 den)	120:1	241:1	361:1	482:1
40.0 (17.0 dtex, 15.0 den)	76:1	151:1	227:1	303:1

CUSTOMIZED SOLUTIONS
shortcut fibers

The production of our shortcut fibers such as Polyester and Nylon has a long tradition at Barnet. Our fibers have been used in the paper industry for many years. **We supply precision products.**

PRECISE MANUFACTURING
produce, design, deliver

Our fibers are precision products. We provide the most accurate cut length with the most accurate diameter. We are experts in designing the surface treatment to reach perfect dispersion for any wet-laid application. Thanks to our experience, we are able to find and offer the right material for each

customer. When support is needed we accompany our customers' product developments from an early stage.

Our shortcut fibers are offered in different finenesses from 0.3 dtex/0.2 denier (4 micron) up to 17 dtex/15 denier (40 micron) and can be precision cut down to 0.5 mm.

All these products are available as customized solutions such as special blends, individual packaging or colors.

LOW SHRINKAGE TYPES

Bonding fibers

These fibers either melt or stick at certain temperatures or within a temperature range in order to bond with other fibers to form a web. Bonding fibers are available in a bico or solid construction. The bico consists of two polymers with different melting points. In this case the core of the fiber remains in place whereas the sheath gets activated when heated up.

Another option would be a solid fiber that gets activated completely when heated to a certain temperature. These fibers are either of an amorphous structure or made of a low melting polymer.

Ultra Low Shrinkage fiber types

ULS fibers are designed to keep dimensional stability at high temperatures. A nonwoven containing our ULS fibers generates a high production efficiency at these conditions. This is possible due to the low thermal shrinkage close to 0% at 190 °C / 374 ° F.

**“We know our
customers' quality
requirements and
how to meet them.”**

WE CREATE OPPORTUNITIES

high-performance

shortcut fibers

Please scan
the QR-Code
for detailed
information
about our high-
performance
fibers:



Our high-performance fibers are high-quality additives for a wide range of technical applications. These precision materials give specifically defined properties to our customers' end products.



YOUR POSSIBILITIES

We offer individual solutions for any request. Individual product solutions with a customized cut length (as from 0.5 mm), diameter and surface treatment for a better adhesion between the fiber and matrix. Some of our fibers are also available as pulp and blend, please ask for individual advice.

DEVELOP POTENTIALS

optimize your products

Our high-performance shortcut fibers impressively demonstrate how adding small amounts of our intelligent materials can make a product more powerful, more effective, lighter or simply more functional.

AVAILABLE MATERIALS

- Para-Aramid
- Carbon
- PAN
- Meta-Aramid
- HMPE
- PPS
- PA/Nylon
- PET
- PP

PERFORMANCE

value adds for high-end products

Our products provide the following improvements:

- Strength
- Weight Reduction
- Stability
- Stiffness
- Abrasion Resistance
- Crack Resistance
- Longevity
- Conductivity
- Tear Resistance

Fibers made for the following industries / applications:

COMPOUNDS

- Elastomers (Rubber)
- Polymers (Plastic)
- Duroplasts (Resin)
- Composites

CONSTRUCTION

- Concrete
- Tarmac
- Stucco
- Paints
- Insulation
- Adhesives
- Flooring

INDUSTRIAL

- Paper
- Friction Materials
- Gaskets
- Battery Technology
(AGM / Lithium / EFB / Solid State)
- Electronics
- Coatings
- Belts
- Seals



RELIABLE AND UNIVERSAL staple fibers

Our classic staple fibers have been used in the textile industry for decades. We provide a wide range of different materials according to your needs. Our global network helps us to get direct access to the required products and raw materials.

OUR MATERIALS

proven quality

Our product portfolio includes different materials such as

- **Polyester**
- **Nylon 6/PA 6**
- **Nylon 6.6/PA 6.6**
- **PP**
- **Lyocell**
- **Viscose**
- **PLA**
- **PBS**

Staple fibers are usually crimped fibers from 0.3 dtex/0.2 denier to 17 dtex/15 denier with a typical length of 38 to 80 mm – depending on the downstream process and application.

POSSIBILITIES

matching your wishes

- Virgin / Recycled / Regenerated
- Crimped / Uncrimped
- Various Lengths
- Customization

SUSTAINABILITY

Our portfolio also includes GRS certified staple fibers

APPLICATIONS

challenging opportunities

Our staple fibers are used in the following applications:

- Nonwovens
- Automotive
- Furniture
- Hygiene
- Filtration
- Spinning
- Medical
- Industrial
- Public transportation
- Equestrian



PROPERTIES

highest performance & quality

- Strength
- Heat Resistance
- Abrasion Resistance
- Cut Resistance
- Chemical Resistance
- UV Resistance

APPLICATIONS

when safety counts

- Hot Gas Filtration
- Liquid or Dust Filtration
- Heat Insulation
- Safety Garments
- Cut and puncture resistant felts
- Gloves

WHEN SAFETY COUNTS

high- performance staple fibers

A WIDE RANGE

we know what fits best

We produce high-quality staple fibers tailored to the needs of our customers. All high-performance fibers have their individual advantages and properties. We support our customers in finding the right material for every individual application. Typical applications are nonwoven processes and spinning quality processes.

Our staple fibers are made to be used in all textile processes and are available in customized cut length (also precision cut 30 – 102 mm)

AVAILABLE MATERIALS

- **Para-Aramid**
- **Meta-Aramid**
- **HMPE**
- **PAN**
- **OPAN**
- **PPS**

HIGH-PERFORMANCE
FIBER RECYCLING

we buy
your waste

Did you know
your residues can
be worth money?

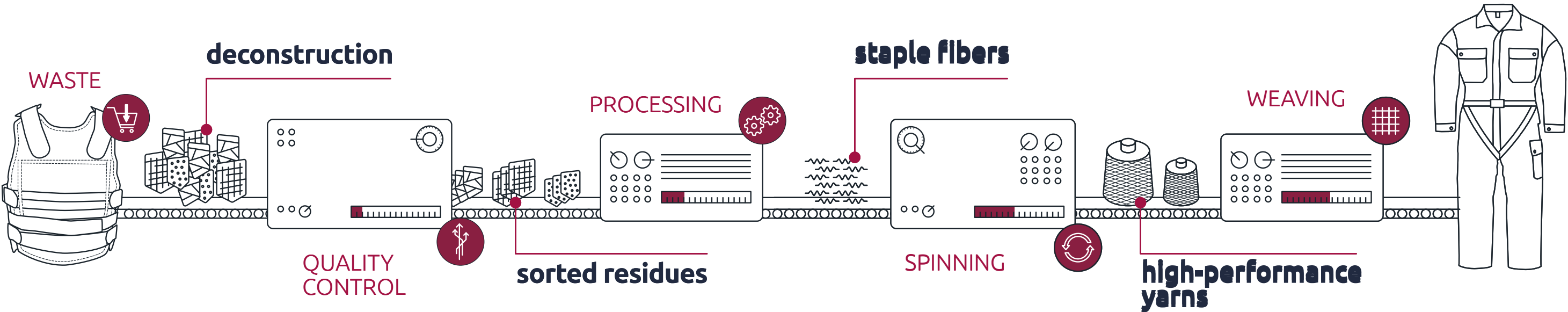
Barnet buys back waste from their customers and suppliers. But we also collect post-industrial textile waste from different sources. Our recycling process ensures traceability from waste to fiber.

POST-INDUSTRIAL

- Textile off-grades
- Residues (such as filaments, fabrics, felts, ...)
- Braids and threads

POST-CONSUMER

- Vests
- Panels
- Hoses
- Garments
- Ropes
- Cables



recycled high
performance fibers

NO CONTRADICTION

performance & sustainability

According to your individual application we can provide a suitable product. Our recycled high-performance fibers can be a technical solution to improve product properties, and at the same time an economical alternative to non-recycled fibers. Sustainability does not mean that one must choose between meeting a technical demand or realizing an economic efficiency.

With our long experience, we are now able to make recycling processes controllable and to offer clearly defined products.

NOT ONLY SPOT LOTS

defined fiber types

In addition to spot lots, which are available depending on the market situation, we offer clearly defined recycling fiber types which we can continuously offer to our customers. These have consistent properties in terms of length distribution, a clearly defined fiber content and different crimp levels.

HIGH PERFORMANCE MATERIALS:

- Para-Aramid
- Meta-Aramid
- PAN
- OPAN
- Carbon
- PPS
- PBO
- PBI
- LCP
- PI



we buy your waste

We recycle your residues. Please fill in the form, we will contact you

BARNET CARBON

strong, light, conductive

barnet-carbon® is our brand for high-performance carbon fiber products. Over the past decades, we have cultivated strong relationships while designing tailor-made carbon fiber solutions. barnet-carbon® offers an excellent balance of enhancing physical properties while reducing weight across a broad range of applications.

Our portfolio encompasses oversized & chopped fibers, straight chopped fibers, and milled fibers to accommodate various market requirements. We produce carbon fibers in North America and Europe, using only high-quality raw materials to uphold the highest standards.

APPLICATIONS

stiffness & conductivity

- Compounding (Plastics)
- Paper
- Friction Materials
- Construction
- Gaskets and Thermal Insulation

benefits of barnet-carbon® in plastics

- exceptional mechanical properties
- superior thermal and electric conductivity
- outstanding strength-to-weight ratio
- excellent chemical resistance
- high bulk density for a consistent material flow
- great compression strength and stiffness

“We are specialized
in tailor made
carbon solutions”



Scan the QR-Code to
download the
barnet-carbon® flyer.

SUSTAINABILITY recycling is in our DNA

“Sustainability is not a marketing tool that barnet has introduced; **it is our business model in action – since 1898.**”

Sustainability is primarily defined by Barnet as reducing the amount of raw material residues that end up in our landfills, pollute air and water or increase our dependence on fossil fuels. Post Consumer Waste and Post Industrial Waste such as by-products from fibers, yarns and the polymer industry are getting a second life by redefining their usability.

Barnet's history began with the recycling of production waste from the wool industry, thus designing a sustainable and still relevant business model at a time when the word “recycling” did not yet exist.



SUSTAINABILITY

more than reducing the amount of waste

17 united nations sustainability goals (SDGs) were set to achieve a better and more sustainable future for all; everyone needs to contribute. Our business culture and activities support the following SDGs which apply, above all, to the issues of environmental protection as well as respectful and fair coexistence.



**WE CARE FOR
OUR EMPLOYEES.**

Supporting an injury free work environment with a strong focus on minimizing risks and create preventive actions.



CONTINUING EDUCATION

Employees are trained internally on a variety of topics enabling them to perform their job, but are also offered external training possibilities to expand capabilities and knowledge



**SECURE JOBS IN A SAFE
ENVIRONMENT, GLOBALLY**

Our business model is laid out to generate sustainable growth. We enable our employees to work in a safe and respectful environment.



**INTELLIGENT
MATERIALS CONCEPT**

Seeing the possibilities in every kind of material – Creating alternatives – dealing with the unexpected – providing solutions – thinking without limits



RECYCLING IS IN OUR DNA

Next to our Intelligent Materials Concept, minimizing waste generated in our own production by re-use is a fixed part of our working concept



**STRONG PARTNERSHIPS
FOR A BETTER FUTURE**

Active participation in cross-industry collaborations on recycling and renewable material topics

**“We continue to challenge ourselves to
further increase our contribution to the
global goals.”**



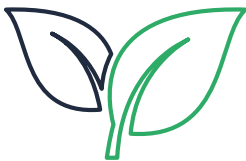
THE SUSTAINABLE CHOICE

Since 2022, our new brand **ecoware**® is, underlining our focus on sustainability.

ecoware® products must meet certain clearly defined characteristics in order to satisfy our requirement for a sustainable product portfolio.

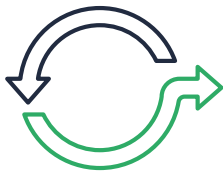
The **ecoware**® product range will grow continuously and will be adapted and expanded according to our customers’ needs.

Products with the **ecoware**® label fulfill at least one of the following criteria:



bio-based

reduce products based on fossil fuel and increase the use of products from sustainable raw material sources



open loop

creating a second life or second application using the remaining performance and value of a material, thus creating products with low CO2 footprints



back to nature

increase the quantity of materials that degrade under certain conditions and within a certain period of time

**download
the ecoware®
flyer**

Find out more about
our constantly growing
portfolio of sustainable
yarn and fiber solutions



Scan the QR-Code
for detailed
Information about
ecoware®.

get in touch!

THE INTELLIGENCE OF MATERIALS

recognizing opportunities and benefits

We follow our conviction that every material – be it first grade, off-grade or textile waste – has its own inherent potential. The art is to recognize and optimally use this potential. Thanks to our many years of experience we know how to ideally exploit this intelligence of the material to produce high-quality first grade products or recycled types.

QUALITY CONTROL

barnet labs

Our laboratory closely monitors the material quality throughout the entire production process, from the raw material to the finished product. Like this, we ensure a consistent quality for all our materials and thus enable reliable production processes for our customers. In addition, we maintain a close co-operation with independent, external laboratories.

COMMISSION PROCESSING, CONTRACT MANUFACTURING, AND MANUFACTURING CONSULTANCY

customer service

We are also the right partner for subcontracting a wide range of manufacturing processes from manufacturing a single product to the operation of entire plant facility. Contact us to find the right solution for you. We have ISO certified management systems and world class manufacturing processes. Additionally, we can work with you to develop a circular approach for your products, adding value to your materials and making your company greener.

YOUR SOLUTION-PROVIDER

barnet – more than just a supplier of raw materials

You need technical advice on how to achieve certain product properties? You want to actively improve your product or pay more attention to sustainability? You want to sell your off-grades or old stock?

We think outside the box. That is why we are an effective and reliable problem solver to our customers and suppliers. Let your challenge become our challenge. Tell us your needs, we will find the right solution for you.

challenge us!

get in
touch



LOCATIONS

on site worldwide



barnet americas

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