

POLYUNION INDUSTRIAL LIMITED

特大实业有限公司

SUSTAINABILITY PRODUCED WEBBING

Low Impact, Recycled, & Eco-Friendly
Webbing Solutions

环保织带

可持续制造、回收和环保织带解决方案



POLYUNION

WEAVING THE FUTURE

WEAVING THE FUTURE WEAVING RESPONSIBLY

织造未来 永续织造

We are convinced that, as a manufacturer, we have a responsibility to contribute to the sustainable development and environmental protection of the planet in our production. We make efforts to eliminate the environmental impact of our production processes and to convey that philosophy in our products.

作为生产商，我们始终相信我们有责任为地球的可持续发展和环境保护作出贡献。我们努力消除生产过程中对环境的影响，并在我们的产品中传达这一理念。

Polyunion Industrial Limited is a globally recognized high-quality webbing manufacturer based in China with a strong commitment to environmental sustainability. With over 40 years of experience in webbing development and production, we not only focus on providing innovative, sustainable, and customized solutions but also strive to minimize our environmental footprint.

特大实业有限公司是一家总部位于中国的全球高质量织带制造商。作为一家拥有超过40年织带开发和生产经验的公司，我们不仅专注于提供创新、可持续和定制化的解决方案，并且致力于降低制造对环境的影响。

Our products range from recycled yarn to professional webbing, meeting diverse customer needs. We have advanced production facilities in multiple locations (Taiwan, Shenzhen, Vietnam, and Dongguan) and adhere to stringent quality controls and international standards (GRS and Bluesign certified).

我们的产品范围从回收纱线到专业领域的织带，满足不同的客户需求。我们在台湾、深圳、越南和东莞拥有先进的生产设施，并坚持严格的质量控制和国际标准（GRS和Bluesign认证）。

WEAVING THE FUTURE WEAVING RESPONSIBLY

织造未来 永续织造

By choosing our recycled webbing, made from materials like plastic bottles or unused webbing in stock, you contribute to waste reduction and conserve natural resources while delivering high-quality products.

We are committed to delivering innovative, sustainable, and environmentally-friendly webbings to protect our planet for future generations.

选择我们的回收带材，由塑料瓶或库存中的未使用织带制成，您既有助于减少废物产生，又节约自然资源，同时获得了高品质的产品。

我们承诺提供创新、可持续和环保织带，来保护我们共同的地球家园。

POLYUNION

WEAVING THE FUTURE

ECO- FRIENDLY COLLECTION

环保织带系列

Alchemy 点金系列

We source recycled PET pellets from plastic bottles and recycled PA pellets from fishing nets, both purchased from OBP certified suppliers, and produce the yarn in-house to create our final recycled webbing products.

我们从具备OBP认证的供应商购买回收的PET塑料瓶制成的胶粒，以及回收的渔网制成的PA胶粒，然后在本厂内部进行纱线生产，最终制成回收织带产品。

Rebirth 重生系列

We melt down our company's scrap webbing into pellets, and then produce yarn in-house, giving the webbing a second life.

我们将公司内部生产的废弃的织带重新融化成胶粒，再进行纱线生产，给织带第二次生命。

Discovery 探索系列

We purchase natural material-made yarn pellets to produce yarn and create biosourced webbing, which is biodegradable and has a lower environmental impact compared to traditional synthetic materials.

我们购买天然材料制成的纱线胶粒来进行纱线生产，并最终制成生物源性织带，其可生物降解且与传统合成材料相比具有更小的环境影响。





Alchemy

点金系列

Turning old plastic bottles
and fishing nets into webbing

将废弃的塑料瓶与渔网点金成织带



Recycled polyester webbing from plastic (PET) bottles

由回收塑料瓶制成的特多龙织带

The polyester pellets that we purchase from our suppliers certified by OBP, composed of 100% recycled plastic bottles (PET bottles), is more sustainable and eco-friendlier. Unlike other recycled fibers, it is produced not in a chemical process but in a mechanical process. This saves water and reduces the use of chemicals.

The PET bottles have been collected and then cleaned, shredded and processed to produce a polymer. The entire recycling process is certified and traceable. Our new yarn is then spun from this material. It is a great way to divert plastic from our planets. The production of recycled polyester yarn requires fewer resources than that of new fibers and generates fewer CO2 emissions.

我们从拥有OBP资质的供应商处采购100%回收的塑料瓶组成的聚酯颗粒，更具有可持续性和生态友好性。与其他回收纤维不同，它不是在化学过程中生产，而是在机械过程中生产。这节省了水并减少了化学品的使用。

PET瓶被收集起来，然后被清洗、切碎并加工成聚合物。整个回收过程都是被认证且可追溯的。然后用这种材料纺出新的纱线。这是一个从地球上减少塑料制品的好方法。与新纤维相比，再生聚酯的生产需要更少的资源，并产生更少的二氧化碳排放。





Recycled polyamide webbing from fishing nets

由回收渔网制成的尼龙织带

These nylon materials are collected, sorted and shredded by our OBP certificated suppliers, before then undergoing a purification and treatment process to transform them into nylon chips with the original chemical formula of the primary raw material. These chips are then used to produce yarn by Polyunion. The nylon yarn can be recycled an infinite number of times without any loss of quality, thereby repeatedly contributing to the regenerative cycle.

这些尼龙材料由经OBP认证的供应商收集、分类和碎片化，然后经过净化和处理过程，转化为具有原始原材料化学配方的尼龙颗粒。然后，我们用这些采购的颗粒来生产纱线。尼龙纱线是可以被无限次地回收，而不会有任何质量损失，从而反复地促进再生循环。

Alchemy 点金系列

1



Purchasing the recycled materials that can be used for yarn production in pellet form from recycle OBP certificated suppliers.

从有OBP回收资质的供应商处购买可用于纱线生产的回收材料融成的颗粒

2



Spinning inside of our factory's fiber department to produce yarn suitable for webbing production, with eco-friendly colorants used for dyeing to avoid any water pollution.

在我们工厂的纤维部进行抽纱，通过使用环保色母进行染色，避免造成任何水污染，生产可用于织带生产的纱线。

3



Weaving the yarn into webbing that meets customer requirements.

将纱线制造成符合客户要求的织带



Rebirth 重生系列

Give the webbing a chance to
be reborn

赋予织带重生的机会



Reuse the in-house produced webbing

重新使用本厂生产的织带

Our REBIRTH webbing collection is to reuse the virgin webbing in our stock. It is possible to reuse webbing that has not been post-treated like adding flame retardants or other chemicals. We can put webbing of the same material together, melt it down, turn it into chips, and then process it into a brand-new webbing.

"重生系列"织带主要重新使用库存中已有的织带。对于没有经过添加阻燃剂或其他化学品等后期处理的织带，是可以重新使用的。我们将相同材料的织带放在一起，将其融化，变成颗粒，然后加工成全新的织带。



Examples of Reuse webbing



Rebirth 重生系列

1



Recycle the untreated webbing produced in our factory by melting it down into pellets for yarn production.

将本厂生产的未经后处理的织带进行回收，将其融成生产纱线的胶粒。

2



Spinning inside of our factory's fiber department to produce yarn suitable for webbing production, with eco-friendly colorants used for dyeing to avoid any water pollution.

在我们工厂的纤维部进行抽纱，通过使用环保色母进行染色，避免造成任何水污染，生产可用于织带生产的纱线。

3



Weaving the yarn into webbing that meets customer requirements.

将纱线制造成符合客户要求的织带



Discovery

探索系列

Exploring new Eco-Friendly and
Natural Materials for webbing
Production

探索可用于织带生产的新型环保和
天然材料



Webbing made from corn yarn

由玉米纱线制成的织带

Corn yarn is made from fermenting monosaccharides in corn plants to produce polylactic acid (PLA) polymers, which are then extruded into fibers and spun into yarn.

This type of yarn is a renewable natural fiber product with high core absorbency and good flame retardancy. Similar to cotton, this yarn has good breathability, but it is more elastic and curly than cotton, making fabrics more elastic. It has low odor residue and good moisture management, making it easy to care for and quick-drying. In addition, it has been proven to have strong stain removal performance in industry washing tests, and stains are not easily fixed. Moreover, corn yarn is a biodegradable fiber and that requires less carbon to produce.

玉米纤维由发酵玉米植物中的单糖制成聚乳酸 (PLA) 聚合物，然后经过挤压纤维并纺成纱线。

这种纱线是一种具有高芯吸性和良好阻燃性的可再生天然纤维产品。与棉花相似，这种纱线透气性好，但比棉花更具弹性和卷曲性，使得织物更富有弹性。它具有低气味残留和良好的水管理，易于打理且快干。此外，它在行业洗涤测试中证明了较强的去污性能，污渍不容易固定。此外，玉米纤维是一种可生物降解的纤维，同时其生产时需要更少的碳。





Eco-friendly webbing made by adding coffee grounds

添加咖啡渣制成的环保织带

Coffee ground fiber is a material made from the leftover coffee grounds after coffee has been brewed. It is a sustainable and eco-friendly alternative to traditional synthetic materials. There are two forms of using coffee grounds in textiles: one is creating coffee yarn by mixing coffee grounds with polymer blends, and the other is producing nano coffee carbon powder from coffee grounds and then processing it into yarn to achieve the functions of bamboo charcoal or coconut fiber. Coffee ground fiber has functions such as UV resistance, moisture absorption and sweat wicking, and antibacterial and odor-reducing properties.

咖啡渣纤维是由咖啡冲泡后剩余的咖啡渣制成的材料，它是一种可持续和环保的替代传统合成材料的选择。咖啡渣运用在纺织品上有两种形式，一种是通过咖啡渣与聚合物混合物的结合创造出咖啡纱，另一种是通过咖啡渣制造成奈米咖啡碳粉，而后再加工成纱线以达到竹炭或椰炭纤维的功能。咖啡渣纤维具有抗紫外线、吸湿排汗和抗菌除臭的功能。

Discovery 探索系列

1



We purchase corn fiber or coffee ground fiber pellets from suppliers that produce natural fibers.

我们从具备生产天然纤维的供应商处购买玉米纤维或咖啡渣纤维胶粒

2



Spinning inside of our factory's fiber department to produce yarn suitable for webbing production, with eco-friendly colorants used for dyeing to avoid any water pollution.

在我们工厂的纤维部进行抽纱，通过使用环保色母进行染色，避免造成任何水污染，生产可用于织带生产的纱线。

3



Weaving the yarn into webbing that meets customer requirements.

将纱线制造成符合客户要求的织带

CERTIFICATION

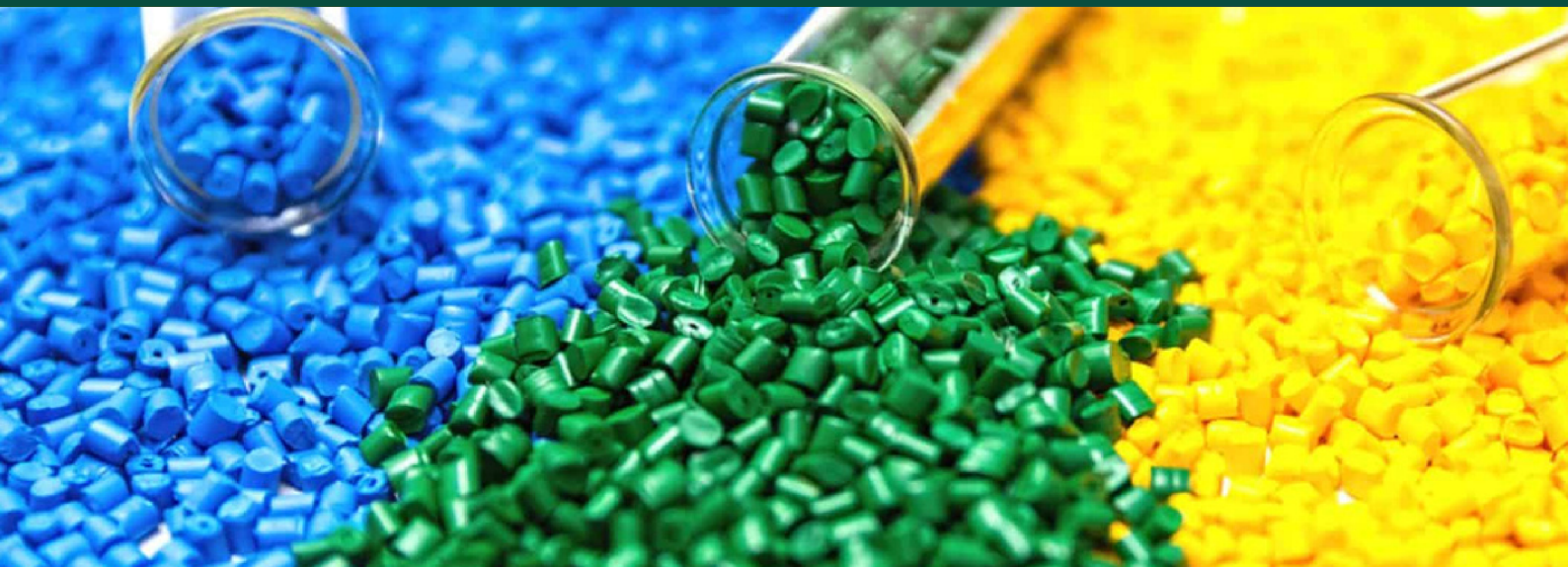
认证

Our recycled webbing is certified by the Global Recycled Standard (GRS), which is an internationally recognized certification that verifies the recycled content in our webbing. This certification ensures that our products are made with recycled material which has been responsibly sourced and processed. By using our GRS certified recycled webbing, you can trust that you are making a sustainable choice for your products.

You can download our GRS certification by scanning the QR code.

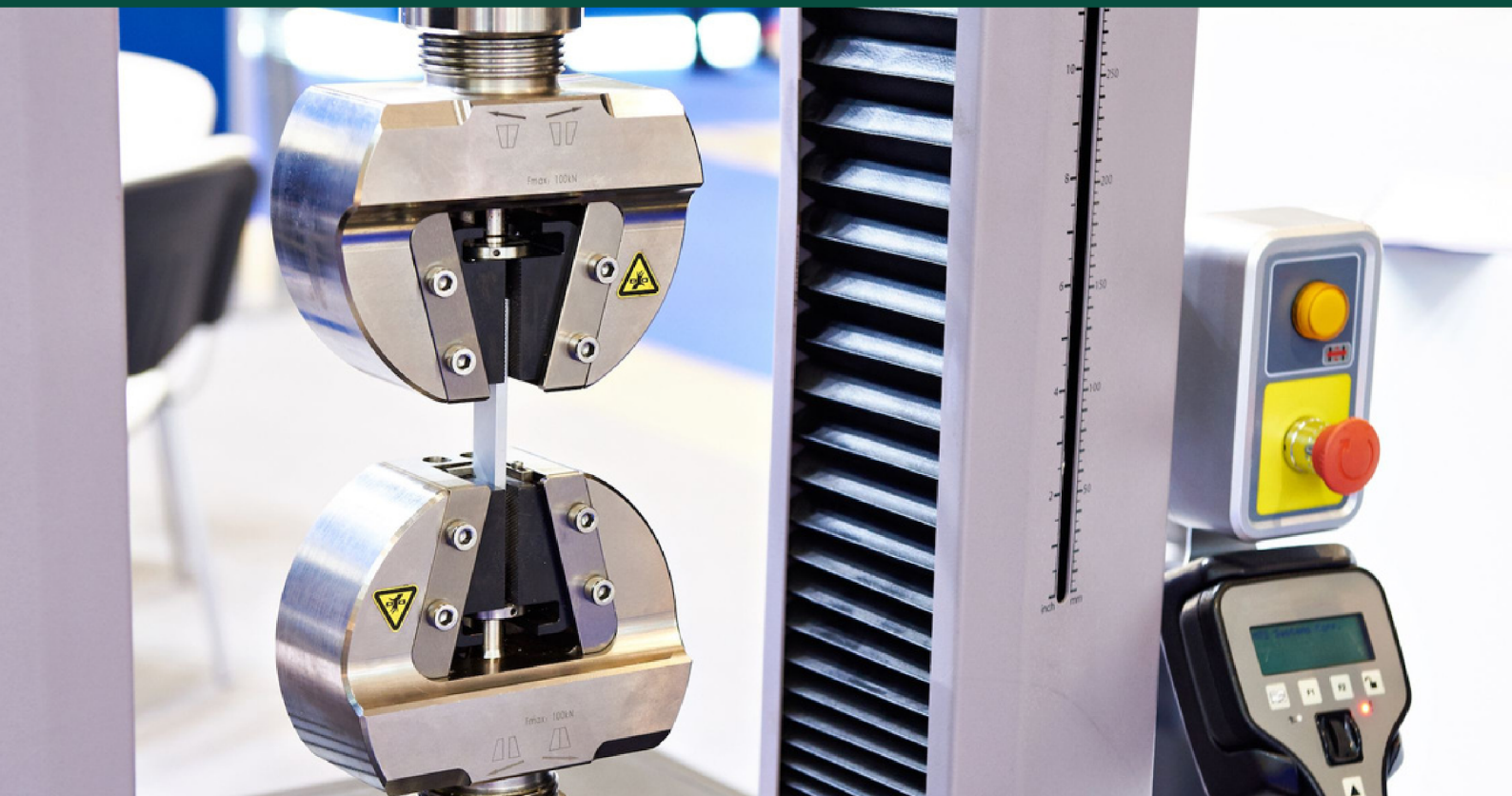
我们的可回收织带已通过全球回收标准（GRS）的认证。GRS是一个国际公认的认证标准，用于验证我们织带中的回收成分。这项认证确保我们的产品是由负责的采购和加工的可回收材料制成的。通过使用我们的GRS认证的可回收织带，您可以相信您正在为您的产品做出一个可持续的选择。

您可以通过扫描图片中的二维码来下载我们的GRS认证。



QUALITY ASSURANCE

品质保证



Polyunion prioritizes quality in all aspects of its operations, from raw materials to finished products. With strict quality control and management standards, the company has an experienced team and professional equipment for efficient quality tests.

You can download our In-House Laboratory test catalogue by scanning the QR code.

特大秉承品质至上的经营理念，从原材料到成品都有严格的质量控制和管理标准。公司拥有经验丰富的生产和质量管理团队，以及专业的设备来高效完成一系列的质量测试。

您可以扫描下方二维码来下载我们的内部实验室设备目录。



POST-TREATMENT

PROCESS

后处理工序

Experience superior post-treatment process that add value and durability to your products.

体验卓越的后处理过程，为您的产品增添价值和耐用性。



SUBLIMATIN PRINTING

升华热转印



CUTTING

切带



HEAT-SETTING

烫带

FUNCTIONAL POST-PROCESSING

功能性后处理



**WATERPROOF
WATER REPELLENT**

防泼水



**FLAME RETARDANCY
HIGH TEMPERATURE RESISTANT**

阻燃抗高温



ANTI-BACTERIAL ANTI-VIRUS

抗菌



ANTI-STATIC

抗静电



UV RESISTANCE

抗UV

FAQ

常见问题

To help our customers better understand the process of recycling webbing, we have prepared a list of frequently asked questions. Whether you are new to recycling webbing or seeking more information, we hope these questions will provide you with the assistance and answers you are looking for.

为了让客户更好地理解回收织带，我们准备了一些常见问题以帮助您。无论您是第一次接触回收织带还是想了解更多相关信息，我们希望这些问题能为您提供所需的帮助和解答。

Is recycled webbing of good quality?

回收织带的质量好吗？

Yes, recycled webbing can be of excellent quality, depending on the materials used and the manufacturing process. In fact, many companies now use recycled materials in their products to reduce waste and promote sustainability. Contact us to discuss your specific needs and we will be happy to send you a sample.

是的，回收织带同样具备优质的质量，这取决于所使用的材料和制造工艺。事实上，许多公司现在在其产品中使用回收材料以减少浪费和促进可持续发展。请联系我们并告知您的具体需求，我们将很乐意发送样品。



How is the lead-time and MOQ for recycled webbing?

回收织带的交货期是多长时间？

The lead-time and MOQ for recycled webbing will vary depending on the specific product and customization options. Contact us to discuss your specific needs and we will provide you with more information based on your order.

回收织带的交货时间和最小订购量将取决于具体产品和定制选项。我们可以根据您的订单提供预计交货时间和最小订购量。



Is recycled webbing more expensive than standard webbing?

回收织带比普通织带更贵吗?

The price of recycled webbing can vary depending on the specific product and the supplier. In some cases, recycled webbing may be slightly more expensive than standard webbing due to the additional processing required to create it. However, many companies are now making efforts to promote sustainability by using recycled materials, which may make it a more attractive option for your customers.

回收织带的价格因具体产品和供应商而异。在某些情况下，由于需要额外的加工过程，回收织带可能会比普通织带略微贵些。然而，许多品牌现在通过使用回收材料来促进可持续性，对消费者而言，这可能会使产品成为更具吸引力的选项。

How does the lifespan of recycled webbing compare to standard webbing?

回收织带的使用寿命与普通织带相比如何?

The lifespan of recycled webbing can vary depending on the materials used and the manufacturing process. However, recycled webbing can be just as durable and long-lasting as standard webbing, and it has the added benefit of being environmentally friendly.

回收织带的使用寿命取决于所使用的材料和制造工艺。回收织带可以与普通织带一样耐用和持久，并具有环保的附加优势。

What certifications do your recycled materials have?

你们的回收材料有哪些认证?

Our recycled materials are certified by industry-leading organizations to ensure their quality and environmental sustainability. We hold certifications such as Global Recycle Standard (GRS), and the marine recycling suppliers we collaborate with hold the Ocean Bound Plastic (OBP) qualification.

我们的回收材料得到了行业领先机构的认证，以确保它们的质量和可持续性。我们持有全球回收标准（GRS）等认证，并且与我们合作的供应商具备OBP海洋回收资质。





POLYUNION

WEAVING THE FUTURE

Contact Us

YOUR TRUSTED WEBBING PARTNER

您值得信赖的织带合作伙伴

**HEAD OFFICE - HONG KONG
POLYUNION INDUSTRIAL CO. LTD**

Contact person : Ms. Jeri CHIU - CFO
Address: Unit1, 20/F, Enterprise Square
Two, 3 Sheung Yuet Rd, Kowloon Bay,
Kowloon, Hong Kong
Tel.: +852 2755 5977
Fax: +852 2755 5955

**PRODUCTION FACILITY - SHENZHEN
POLYUNION TEXTILE FACTORY**

Contact person : Mr. Darren LI - CEO
Address: No.164 old Xin Yu Avenue, Xiangshan
Community, Xin Qiao Street, Bao 'an District,
Shenzhen, China
Tel.: +86 755 27267356
Fax: +86 755 27267738
Email: darren@polyunion.com.cn

**PRODUCTION FACILITY - DONGGUAN
POLYUNION TEXTILE TECHNOLOGY CO. LTD**

Contact person : Ms. Rachel YE
Address: No.1, 4th Road, Tangxia Keyuan,
Tangxia Town, Dongguan, China
Tel.: +86 769 87868789
Email: sales8@polyunion.com.cn

**PRODUCTION FACILITY - TAIWAN
SIN YO TEXTILE INDUSTRY CO. LTD**

Contact person : Mr. Daniel CHIU
Address: No. 21, Lane 916, Sec. 2, Zhongshan
Road, Dajia Town, Taizhong, Taiwan
Tel.: +886 4 26816356
Email: tehgoang@ms15.hinet.net

**PRODUCTION FACILITY - VIETNAM
WEI DEAN WEAVING INDUSTRY CO. LTD**

Address: E-4A-CN Lot, My Phuoc II Industrial
Park, My Phuoc Ward, Ben Cat Town, Binh
Duong Province, Vietnam
Tel.: +84 274 3553888-92
Email: service@vn-weidean.com

**POLYUNION EUROPE BUSINESS
DEVELOPMENT OFFICE - FRANCE**

Contact person : Ms. Hui CHEN
Tel.: +33 7 83 56 07 81
Email: europe@polyunion.eu
Website: www.polyunion.eu