

Carbon fibre drum



Drum for efficient and robust processing

Carbon fibre pultrusion

- Environmental savings
- The drum at a glance
- Diamond coating
- Quality control
- Services





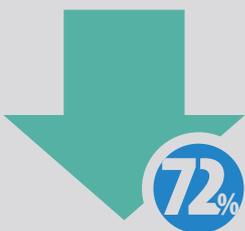
Protect the planet while still using top-quality tools

Reduce your environmental impact

Help our planet

The increased tool life helps our planet by reducing the CO₂ and material usage. We pack all carbon fibre drums in reusable packaging.

- Reduces your carbon footprint by up to 72%
- Reusable drums that can be recoated up to 6 times
- Reusable packaging.



Reduces your carbon footprint



Reusable drums

Resend your drum and we will recycle it, making sure it gets a new life.



Reusable packaging

Resend your drum packaging for recycling and reuse.

Developed for efficient and high quality machining

Carbon drum

High quality diamond coating.



At a glance

Kyocera's carbon fibre drum is developed for an efficient and robust process. Its main features are a guaranteed quality on every grind, and a long tool life that minimise the frequency of changing while lowering the TCO and the environmental impact.

Highlights

- Quality on every grind
- High quality diamond coating
- Tool life up to 3 – 4 times longer
- Surface roughness between 8 – 12 μ /mm
- Industry standard sized drum 320 × 150mm – or custom size to fit your needs
- Low lead and delivery time
- Globally covered supply – with local presence
- Global technical support.



TECHNICAL OVERVIEW

Hand-picked high quality crystals



Diamond coating

High quality surfaces

We supply different coatings, that are tailored to your solution and workpiece.

Our recommended coating provide a mix of both high quality, and a long tool life. With our D501 grain size the drums deliver an even surface and a surface roughness between 8-12 µm.

We also do custom coatings to fit your specific need. In our custom coating we fine-tune the grain size, coating mesh, crystal composition and size, and embedding height.

- Recommended coating that favour quality and lifetime
- Surface roughness between 8-12µm*
- Diamond size D501 (up to D851)*
- Custom coating tailored to your need.

* = Depending on the coating.



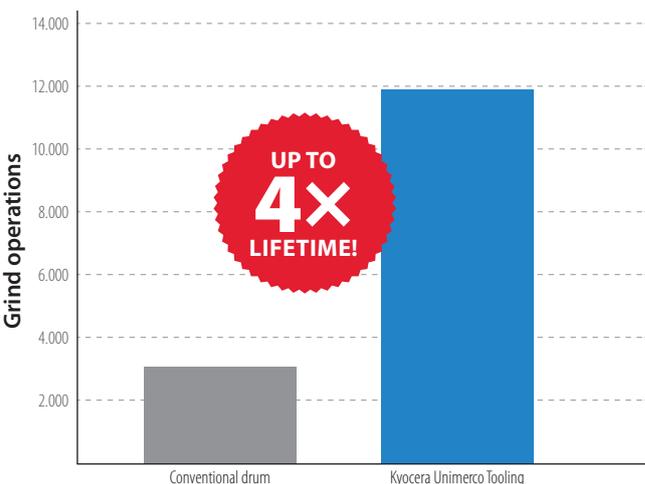
Diamond coating.

Lifetime

Prolonged lifetime To reduce your overall machining costs

Our carefully selected diamond coating gives a prolonged lifetime, and hence reduce the total cost of ownership.

Each drum can be recycled and re-coated to the same quality as a new – and with the same long lifetime as a new drum.



Quality documentation for each drum Guaranteeing quality and tracability



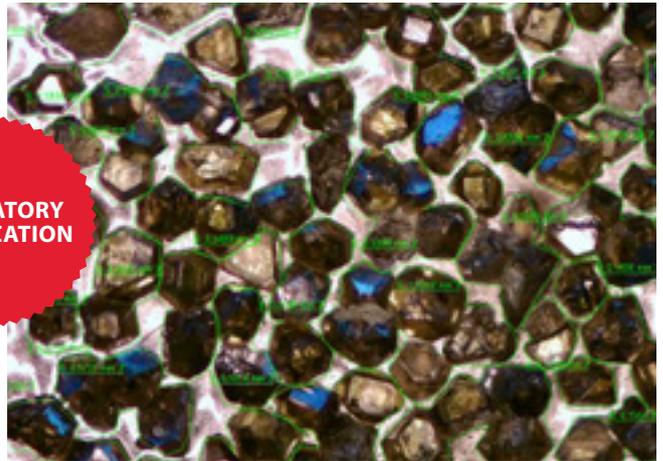
Increasing your productivity

1. Documentation

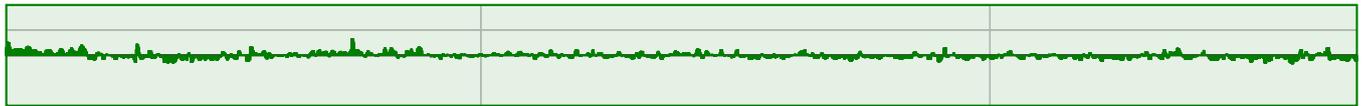
We document each drum before shipping it to you. This guarantees tracability and the drum quality you install on your carbon pultrusion machinery, so you are always certain about quality.

Inspection and documentation includes:

- Diamond inspection
- Wear determination
- Profile scans – down to the single diamond
- Grit protrusion
- Binder inspection – layer height & uniformity
- Documentation for each tool ID.



Diamond microscope analysis

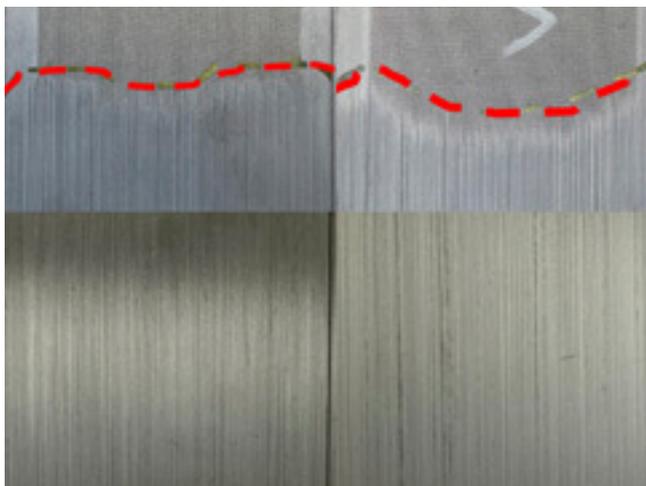


Profile scan that simulates the carbon contour.

2. On-site support

In a combination with our local teams and our global technical support team, we are able to provide on-site support with technical know-how within the carbon pultrusion application and the diamond drums.

This secures your productivity and quality level, by knowing assistance it not far away.

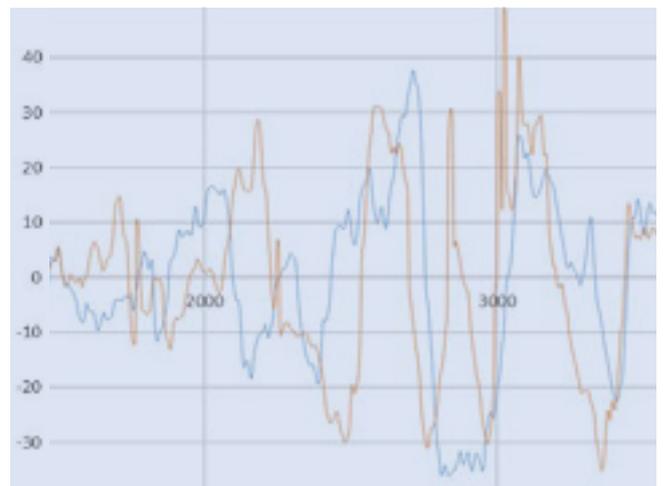


Carbon fiber laboratory analysis

3. Workpiece inspection

We do in-house inspection of the carbon workpieces with our sophisticated lab equipment also used for the automotive and aerospace industry.

- Surface roughness (Optical 3D Surface)
- Fibre inspection
- Microscopic pictures of surfaces
- 3D surface scan.



BECOME A PARTNER

More than just business and world wide support



Global partnership

Our vision is to be the most value adding partner for improving productivity

TO US, PARTNERSHIPS ARE MORE THAN JUST BUSINESS

By going into a partnership with Kyocera Unimerco, we will improve your competitiveness by increasing your productivity and reducing your cost, furthermore you will gain access to industry leading technology within tooling, tool management and renewal services.

Standard stand-alone solutions does not always suffice. In a partnership, we can provide you a combination of standard and customized solutions, tailored to your production situation with optimised lead times for tools and service

We are committed to work in a fast and flexible manner to find the right solution for you. By having an international team, we can support you worldwide, meaning that we stay until it works.

In a Kyocera Unimerco partnership, we are also able to give you an exclusive rewarding discount programme. With the discount structure, the more you buy, the more we can save you. And by committing to call-off orders you can achieve the full saving potential.

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Corporate Motto: "Respect the Divine and Love People"

敬天愛人

Preserve the spirit to work fairly and honorably,
respecting people, our work, our company
and our global community.



"The New Value Frontier" reflects Kyocera's commitment to continuously creating new value at the cutting edge of technology. The global Kyocera Group develops unique technologies and applies its vision to create valuable products that the markets continually seek.

Industrial tooling solutions

Kyocera Unimerco is a global manufacturer and distributor, providing standard and customised cutting tool solutions as well as know-how and optimisation guidance for the manufacturing industry.

The company was founded in 1964 and has since expanded into 17 countries, with more than 700 employees.

Today the company is part of the Japan-based Kyocera Corporation.



www.kyocera-unimerco.com