



CFRP rollers

We use our experience, drive and innovative ability to offer our customers high quality, light weight carbon fibre reinforced polymer composite rollers.



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Carbon fibre rollers versus steel rollers

Our carbon fibre rollers are engineering fit for purpose items that offer tremendous advantages over steel rollers. Advantages include:

- Virtually no frequency transference with carbon fibre means rollers can operate at higher speeds than steel
- Reduced stress greatly increases the life and efficiency of motors and bearings
- Reduced energy consumption
- Carbon fibre rollers have 80% reduced weight of a steel roller, reducing handling and safety & health risks on change over
- Carbon fibre rollers accelerate/decelerate significantly faster than steel rollers.

Our CFRP roller specifications

We provide lightweight rollers and shafts in the following dimensions:

maximum length: 6000 mm	minimum inner diameter: 20 mm	maximum outer diameter: 600 mm
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- Using fibres such as glass fibre, HT, HM, UHM and UUHM
- Automatic mixing, dosing and thermographic determination of resin blends
- We can provide our rollers with the following surfaces:
 - Composite Coating
 - thermal sprayed coating / non sticking coating
 - all kinds of rubber coating
 - aluminum / stainless steel surface
- Inhouse production of special composite coatings.

Industry sectors

- Printing (all sectors)
- Foil production
- Engineering
- Paper production
- Converting
- Textile / Non-woven

CFRP roller products

- Guide rollers
- CFRP tubes
- CFRP roller body
- Dancer rollers
- Bubble collapsing rollers
- Contact rollers
- Expander rollers
- Ink application rollers
- Ink transfer rollers



For further information please visit our website or scan the QR-Code:

www.pronexos.com



Management System
ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
www.tuv.com
ID 9105029193

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