

***FWT** Composites & Rolls* *Premium Carbon Fibre Rolls*



experience

experience

experience

experience

consultation

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customer orientation

customer orientation

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customer orientation

History



- 1996 Founding with 4 employees, 1 winder 4m
- 1999 New site. Work floor 1500m² (15000sqft)
New Winder– max. Length 12m (39feet)
- 2004-2005 Expansion of the production area for several times
- 2006 Research project to develop composite roll covers
- 2012 Construction 3rd production hall 1800m² (18000sqft)
- 2013 Start manufacturing rubber coating
- 2017 Expansion of the CNC machines
Expansion of the grinding machines

Work floor: 6000m² (64500sqft)
Human Resources: 76 employees

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Our Products



ROLLS



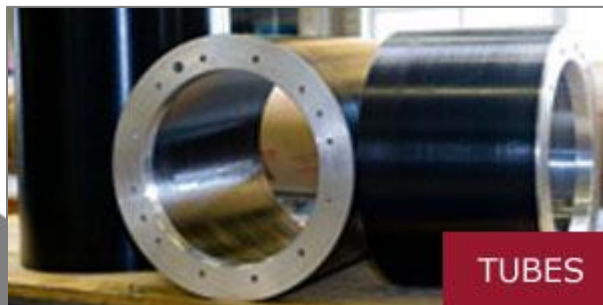
DRIVESHAFTS



RUBBER COVERING / COATINGS



ROLLER SERVICE



TUBES



SPECIAL COMPONENTS

experience

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Filament winding

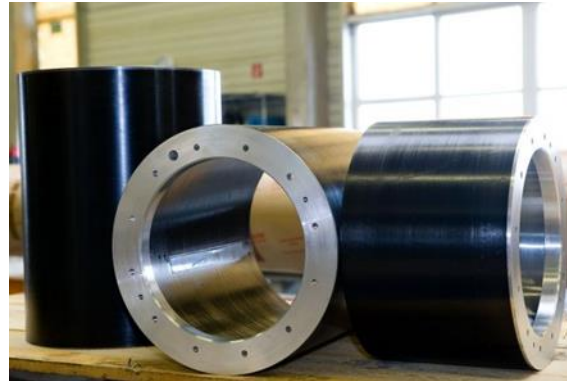
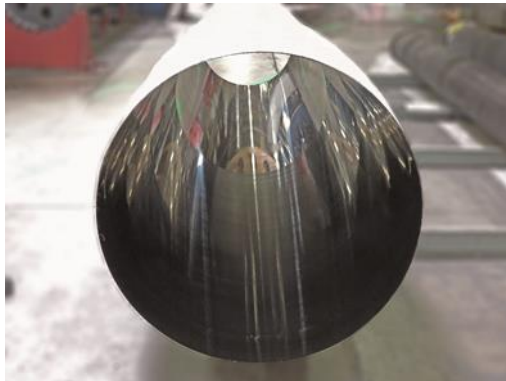
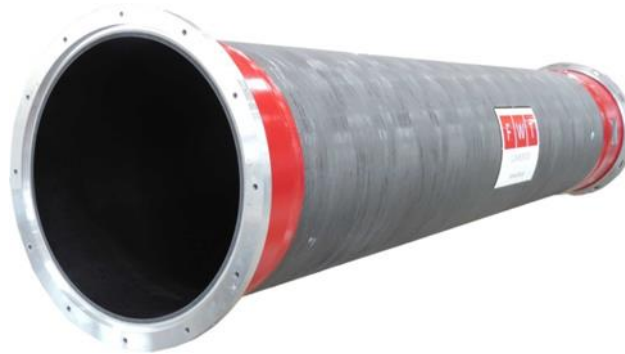
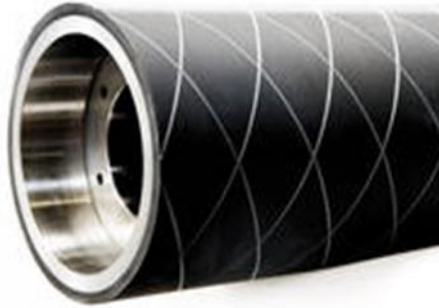


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Tubes



Benefits:

- Lower weight
- Lower mass-inertia
- High stiffness
- Very good vibrationdamping
- Very low heatexpansion
- Corrosion resistant

largest possible dimensions:

- Length: 11m
- Ø: 1m

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Rolls



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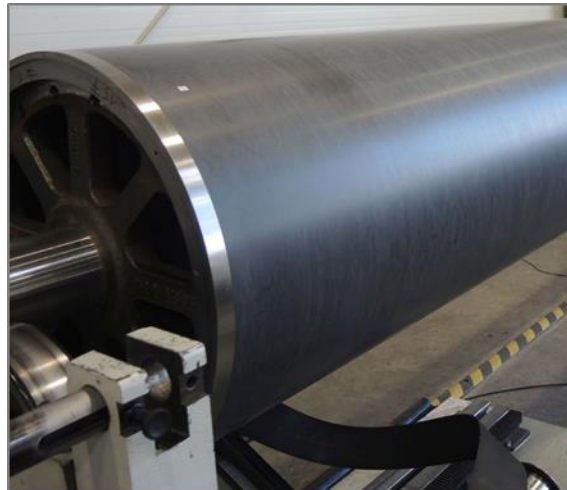
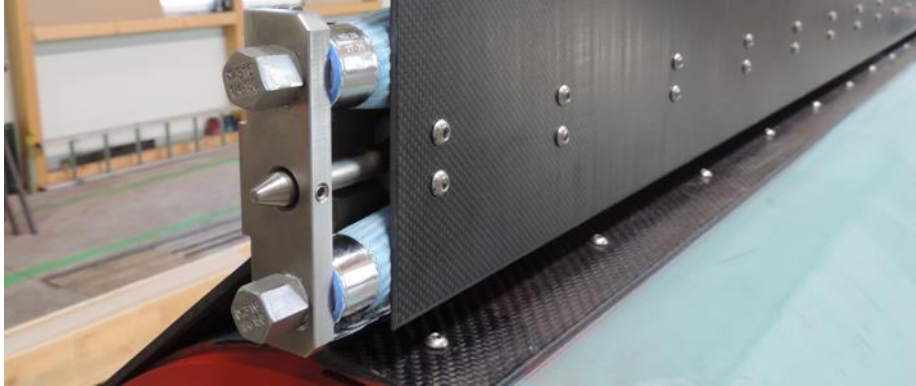
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Paperindustry



- Doctor Beams
- Paper rolls
- Shaked breast rolls

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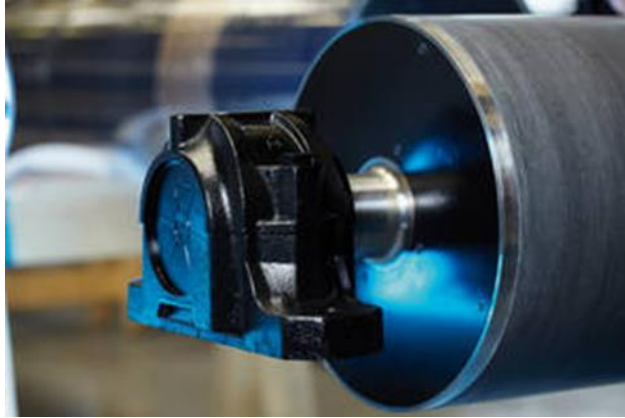
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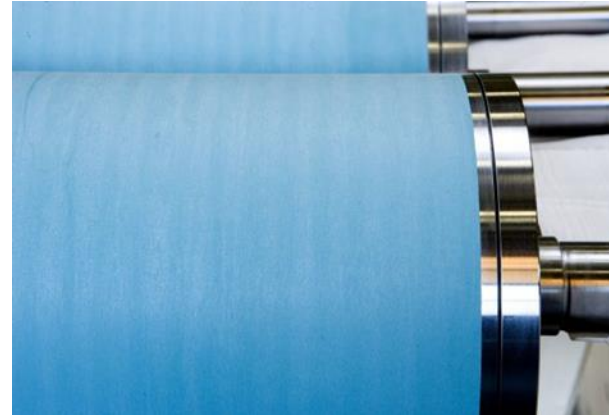
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Non-wovens



- Rollers for air laid machines
- Rollers for carding machines
- Layer rolls



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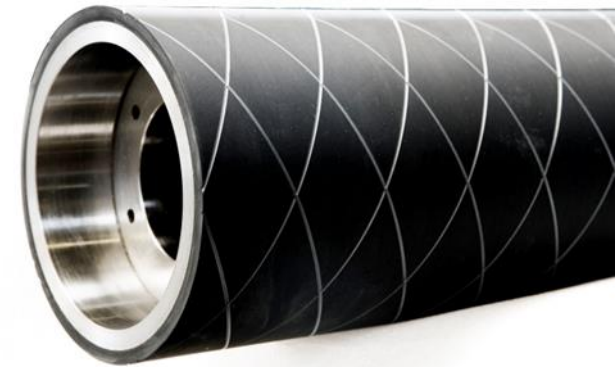
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Film Industry



- Guide rolls for slitters
- Rolls for all converting lines

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Coatings

Composites-Coatings



Rubber Covering

NBR, EPDM, CR, CSM,...



Capacities of our rubber covering production:

- Diameter up to 1000 mm
- Length up to 12 m
- Total weight: 20 t.

High Polish Coatings



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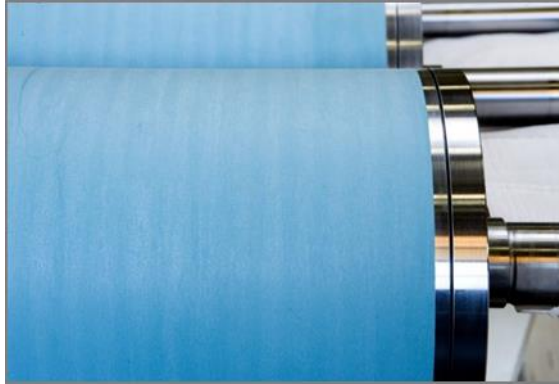
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Composite-Coatings

- high abrasion resistance
- suitable for doctor blades
- suitable for different kinds of grooves
- electrically conducting surfaces
- non-conducting surfaces
- friction reducing characteristics
- polished surfaces
- special chemical resistance



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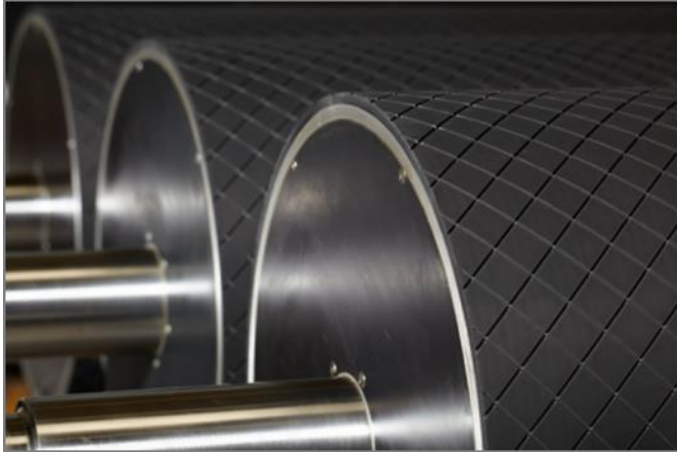
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Characteristics



Rubber Covering

- Solutions for every application
- Wide range of rubber materials
- 40-90 Shore A
- Very good chemical resistance
- Temperature resistant depending on rubber
- Good traction



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High Polish Coatings

Typical characteristics:

- surface roughness up to Rz 1 μ m
- low abrasion resistance
- non-conducting
- repairable



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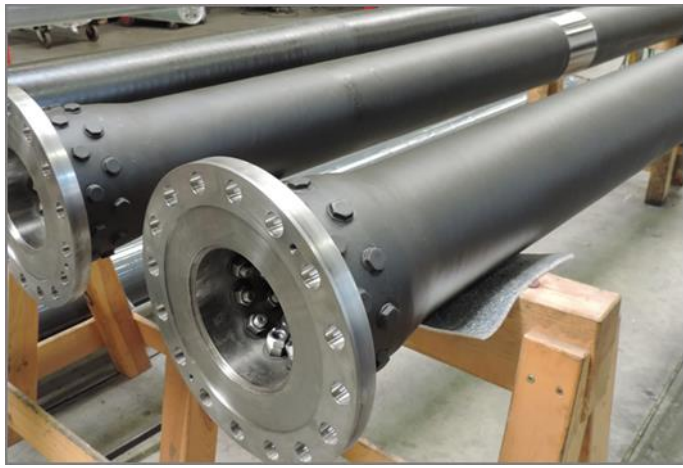
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Marine, cooling towers and Industrial applications



Drive Shafts

Benefits

- Low weight - Increased pay load
- High critical speed
 - Reduced number of bearings
 - Reduced maintenance
- High torsional stiffness –
 - Low bending stiffness
 - Compensation of alignment failures

Application areas

- Marine
- Cooling Towers
- Industrial applications

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Special Components



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Windkanal Universität Bologna

Total length: 110m

Innerdiameter: 900mm

Weight: 300kg

Deviations in straightness:
from Segment to Segment 0,5mm
2,5mm über die Gesamtlänge



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Roller Service

- Journal replacement/restoration
- Crack check
- Grinding service
- Repair or replacement of covers
- Bearing services

on demand: manufacturing of new rollers



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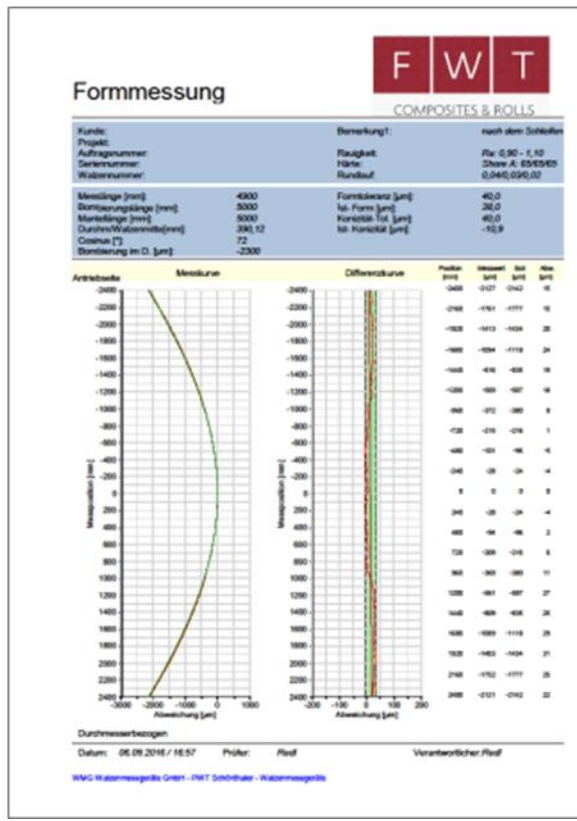
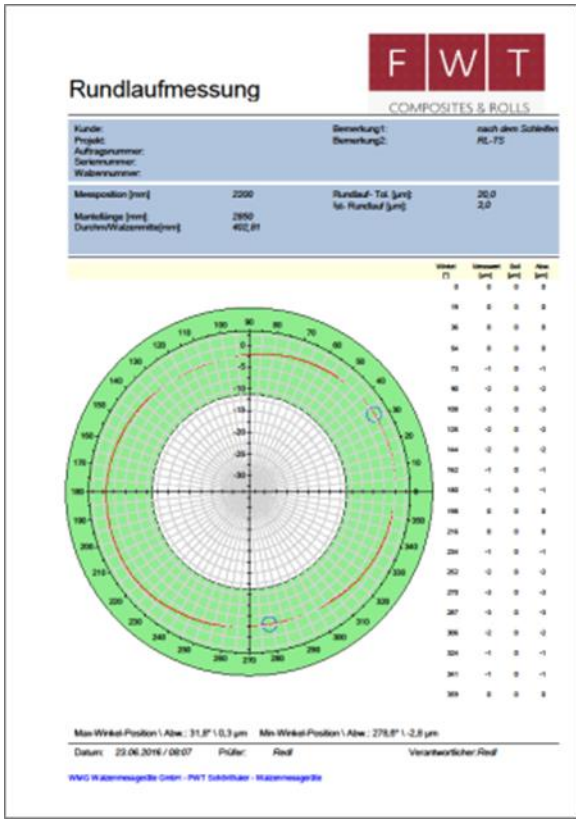
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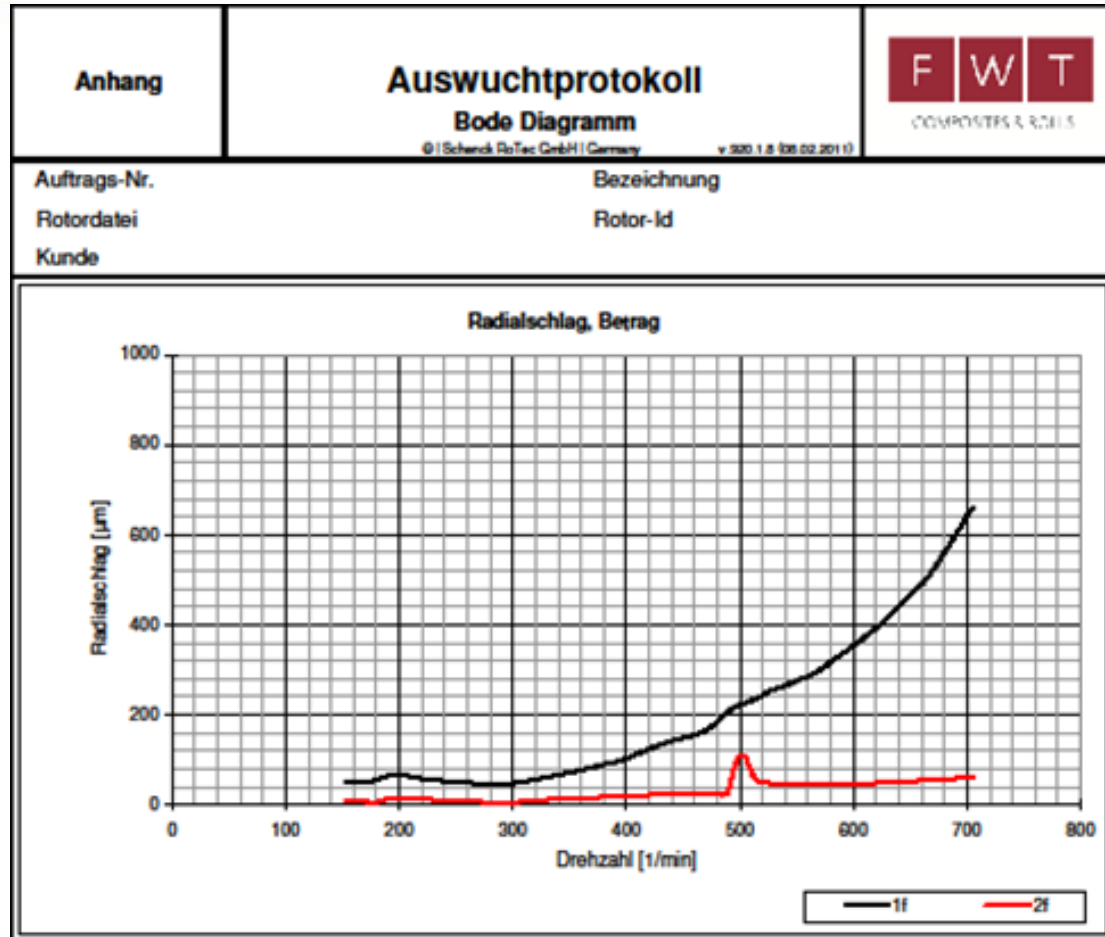


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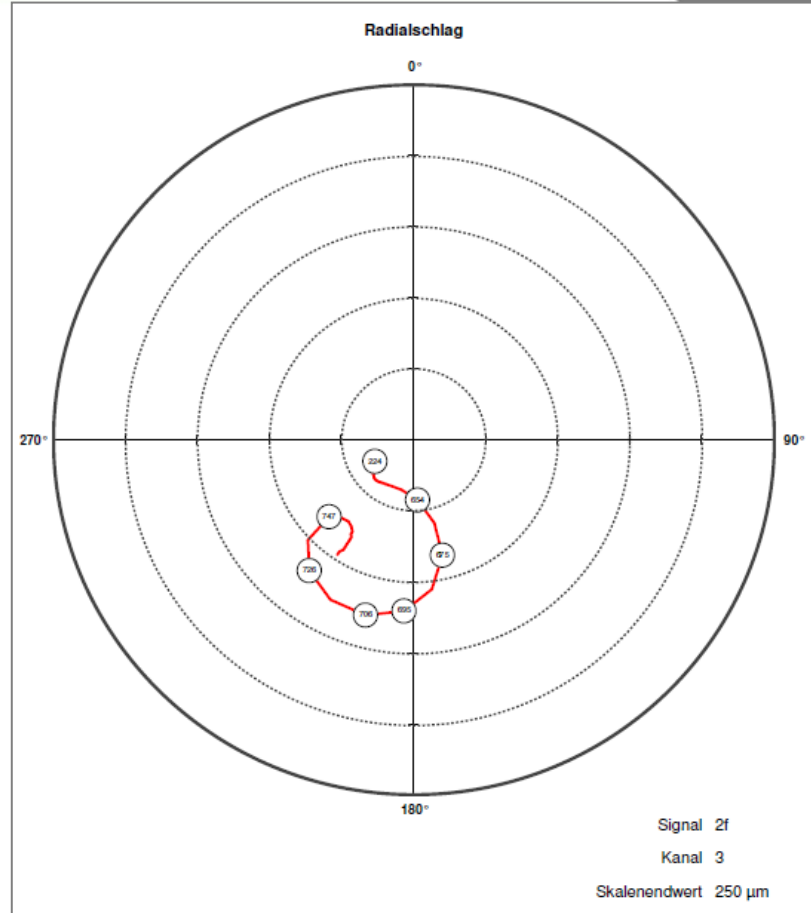
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Seite 1		Auswuchtprotokoll CAB920 Auswuchtprotokoll <small>© Uwevo, Felix, Peter, Thomas</small>		FWT <small>COMPOSITES & ROLLS</small>	
Auftrags-Nr.		Bezeichnung			
Rotordatei 399X5000*		Rotor-Id			
Kunde 399X5000*					
Rotor Masse	432 kg	Rotorlänge	5000 mm		
Rotordurchmesser	390 mm	Lagerabstand	5300 mm		
Betriebsdrehzahl	816 1/min	Auswuchtgüte	G 2,5		
		a	150 mm		
		b	5000 mm		
		c	150 mm		
		r ₁	125 mm		
		r ₂	125 mm		
Unwucht in Toleranz					
Sollwerte		Ebene ①		Ebene ②	
Auswucht toleranz		6307,0 gmm		6307,0 gmm	
aus. w. r _x , r _y		50,48 g		50,48 g	
Radialschlag 1f		300,0 µm			
Radialschlag 2f		300,0 µm			
Istwerte		Ebene ①		Ebene ②	
Unwucht		27,18 g	88 *	7,04 g	312 *
Restunwucht		27,18 g	88 *	7,04 g	312 *
Auswuchtdrehzahl		820 1/min			
Max. Schwing-Geschw.		Kanal ①		Kanal ②	
Drehzahl					
Max. Schwing-Geschw.		Kanal ①		Kanal ②	
Drehzahl					
Radialschlag 1f		Kanal ①	statisch	Kanal ②	total
			12,8 µm		81,8 µm
Umfangsgeschw. Drehzahl		245 1/min	200 1/min	1000 1/min	819 1/min
Radialschlag 2f					
Umfangsgeschw. Drehzahl					
Ausgleichsgewichte		①	②	③	
Bemerkungen					
Maschinen-Nr.		RM-80138		Qualitätssicherung	
Bediener/Datum		FWT - Wächter 14.10.2016		Name/Datum	



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Certificates



ZERTIFIKAT

Hiermit wird bescheinigt, dass das Qualitätsmanagementsystem von:

FWT Composites & Rolls GmbH
Werner von Siemens Straße 7
2620 Neunkirchen
Österreich

durch Lloyd's Register Quality Assurance geprüft und bewertet wurde und der folgenden Norm zum Qualitätsmanagement entspricht:

ISO 9001:2008

Das Qualitätsmanagementsystem ist anwendbar für:

Entwicklung, Herstellung und Vertrieb von Faserverbundteilen

Zertifikat Registrier-Nr. VNA0004696	Erstmale Zulassung:	7. Dezember 1999
	Bestehendes Zertifikat:	9. Jänner 2015
	Dieses Zertifikat ist gültig bis:	8. Jänner 2018


Ausgestellt von: Lloyd's Register EMEA Niederlassung
Wien für und im Auftrag von
Lloyd's Register Quality Assurance Limited



Lloyd's Register EMEA Niederlassung Wien, Operating 15620, 1010 Wien, Österreich, PO 23617 2
für und im Auftrag von: Hainfeld, Mühlbach Office Village, Salm Drive, Coimberg, CO2 8L, United Kingdom

Lloyd's Register Quality Assurance Limited, 100 Brook Street, London W1D 2LU, UK. Lloyd's Register Quality Assurance Limited is a member of the Lloyd's Register Group of companies, which is a subsidiary of the Lloyds Banking Group. Lloyd's Register Quality Assurance Limited is a member of the Lloyd's Register Group of companies, which is a subsidiary of the Lloyds Banking Group. Lloyd's Register Quality Assurance Limited is a member of the Lloyd's Register Group of companies, which is a subsidiary of the Lloyds Banking Group.



Shop Approval

Approval No: **K82 100 001**

For the: **Production of Blanks Fabricated from Fibre Reinforced Plastics**

The company: **FWT Composites & Rolls GmbH
Werner von Siemens Str. 7
2620 Neunkirchen
Austria**

This approval is for the Shop Approval. On the basis of the results of checks regarding the company's production facilities and the qualification of the personnel in charge the above-mentioned company is approved within the scope as follows:

Production technology: **Fibrewind Winding**

Materials/Process: **GL-Fibre for C-modification and Carbon fiber
F-Resin and Filling Technology
FRP - Fibre-reinforced Plastics
Glass - Fibre-reinforced Plastics and Resin**

Products: **Max. dia of composite:
Length: 7500 mm
Diameter: 100 mm**

The scope of validity of this approval and compliance criteria:

This Shop Approval is valid until 2018-10-08

Valid until: 2018-10-08

DNV GL SE


Stefan V. Christ


Susanne B. Böhmer

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COMPOSITES & ROLLS



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web: www.fwt.at

**... because innovation
requires competence!**

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