

MUSEEUW







Flax fiber is a natural fiber which is very robust, flexible and light. Thanks to these qualities, the fiber is very popular in the car industry (among others with BMW, Audi, Daimler-Benz) and the aeronautical industry.

Around 2004 I enlisted the cooperation of IPA Composites Belgium and BILLATO Linea Telai and set out to find a way of letting the cycling enthusiast benefit from the unique qualities this fiber has to offer. Our intense research has yielded an innovative and promising product: the Flax Carbon Hybrid Race Bike.

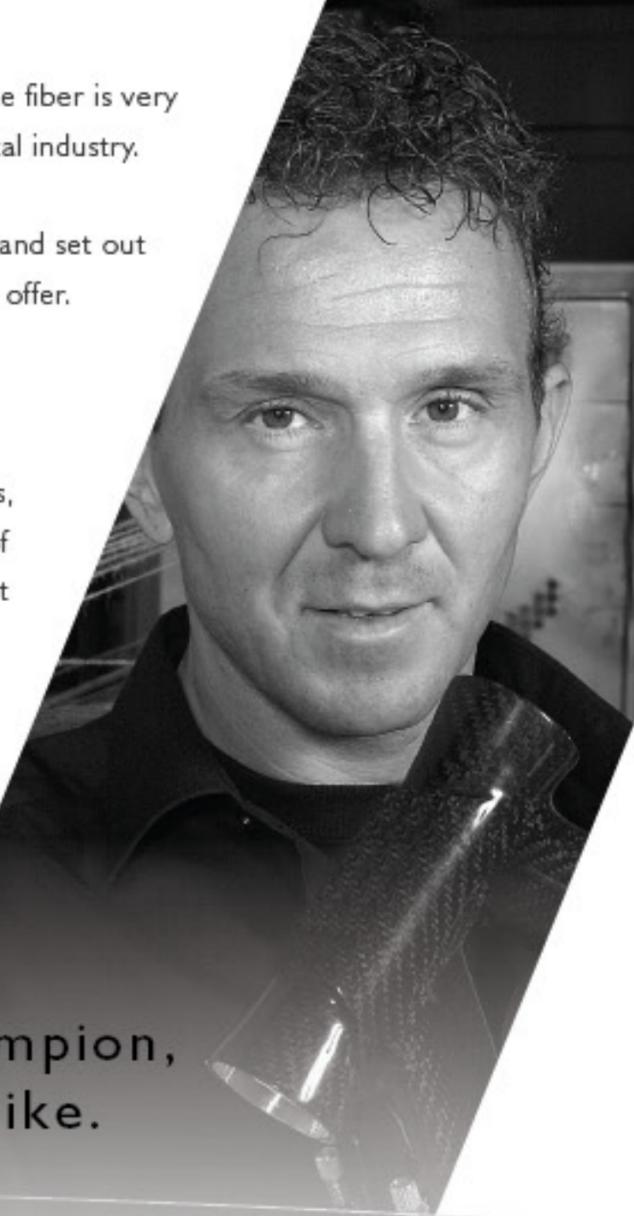
It's all in the name: the frame is composed of a combination of high-end flax and carbon fibers, which are joined, using the twill composite hybrid sandwich technique. The main advantage of this frame is its excellent shock-absorbing quality, which makes for an enhanced riding comfort and, accordingly, for improved performances.

The Flax Carbon Hybrid Race Bike is up in three versions: MF-1, MF-3 and MF-5. They are all available in three designs and six colours, which are a testament to my most memorable victories.

After all, there's a little Museeuw in each Museeuw Bike.

Share the experience of a World Champion,  
share the experience of a Museeuw Bike.

With athletic regards,  
Johan Museeuw





All Museeuw Bikes are manufactured by hand, in Europe. They are designed by the engineers at IPA and assembled with precision by Billato. Successful riders like Lemond, Rooks, Theunisse, Breukink and Brentjens trusted in the expertise and experience of Billato and IPA has earned its respect through famous brands such as Look and Colnago.

Flax fiber is one of the best natural fibers on the planet in regards to stiffness, strength and shock absorption. Carbon fiber, also well known for its stiffness and strength, is well established in the industry. Museeuw Bikes is combining flax fiber with the best carbon fibers available. Due to its high strength and stiffness, the 3K Carbon HM is on the outside of the tubes and prevents breaking of the weaker carbon tubes. The 3K Carbon HM is also used for all the tube connections.

The patented, high-tech process of combining flax fiber and carbon fiber, with high temperature and pressure, gives birth to a unique product of exceptional quality. All tubes are produced in individual sections, using many fibers where the tube has to be strong, or fewer where you need resilience. Producing and cutting sectional tubes is a highly specialized field. This is the main reason why these tubes are designed by the experts at IPA and produced with high precision by Billato.

The MF-1 and the MF-5 are assembled with separate tube connections with a two-part glue that was developed specifically for this purpose, the result of 10 years of research. MF-3 frames are assembled without separate tube connections. Instead, a patented 'wrapping system' is applied. All MF-3 frames can be custom made. The main goal of using both flax and carbon is the unique combination of exceptional stiffness and tremendous absorption, which provides very pleasing riding comfort, without added weight. For all of these reasons, Museeuw Bikes offers a warrantee of no less than ten years. All frames are available in three designs (Vantage, Lion and Exclusive) and six colors (Amstel Gold - Orange, Tour of Flanders - Yellow, Paris-Roubaix - Red, Zurich - White, Lugano - Gold and a Limited Edition - Gold & Blue).

	Stiffness (Gpa)	Strength (Mpa)
High Tensity (HT)	234	4500
Intermedium modulus (IM)	295	4410
High modulus (HM)	390	4610

	MF-1	MF-3	MF-3 Pista	MF-3 Cross	MF-5
<b>Top tube</b>	40 – 50% Flax	35% Flax	20% Flax	40 – 50% Flax	80% Flax
<b>Down tube</b>	40 – 50% Flax	35% Flax	20% Flax	40 – 50% Flax	80% Flax
<b>Seat tube</b>	30% Flax	100% 3K Carbon HM	100% 3K Carbon HM	30% Flax	80% Flax
<b>Wishbone</b>	100% 3K Carbon HM	35% Flax	20% Flax	50% Flax	100% 3K Carbon HM
<b>Lugs</b>	100% 3K Carbon HM				
<b>Fork</b>	50% Flax				
	€ 4.350	€ 3.590	€ 4.190	€ 2.990	€ 3.190



 MF-1

LION . PARIS-ROUBAIX



 **MF-1**



 **MF-3**

*EXCLUSIVE . LIMITED EDITION*



**MUSEEUW**

Ltd Edition

 MF-3



*Muhammad  
Zohar*

 **MF-3** CROSS

LION . ZURICH



 **MF-3** CROSS

MADE IN EUROPE  
Serial no. 108828

**MF-3**  
CROSS

SHIMANO

 **MF-3** PISTA

*EXCLUSIVE . LIMITED EDITION*



 **MF-3** PISTA



 **MF-5**

VANTAGE . ZURICH



MUSEEUW



 MF-5



Hand Built in Europe  
Serial nr. 108834

*Manuel  
Schober*

5 Zurich

CAPE

 **MF-9**

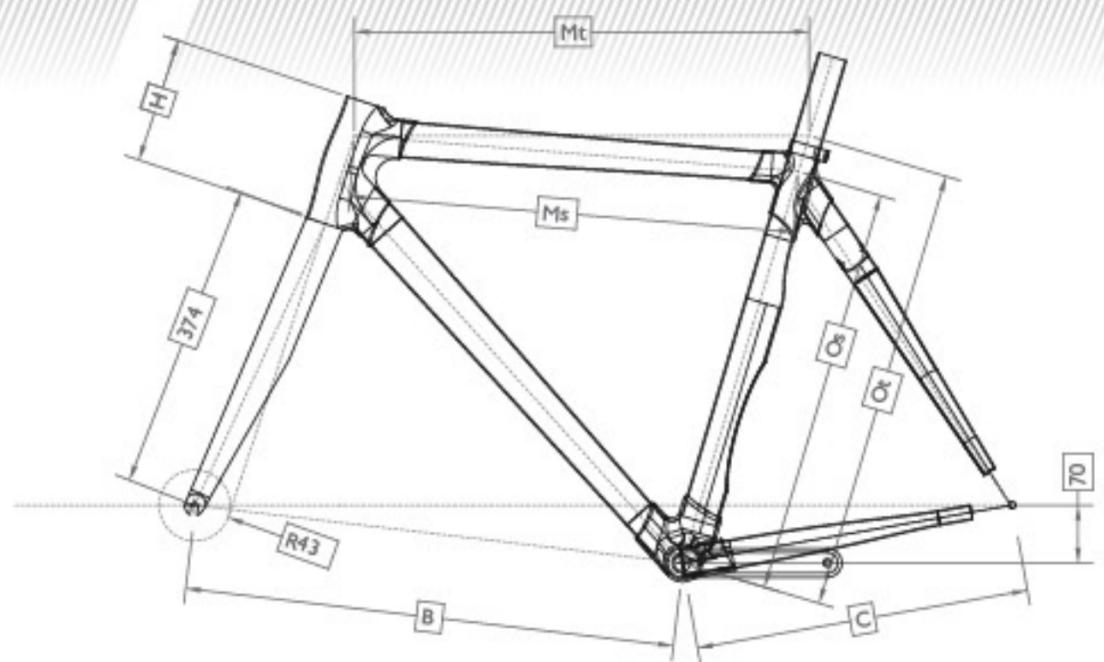


*FORK*



 **WHEELS**





Key	[ Ms ]	[ Os ]	[ Mt ]	[ Ot ]	[ B ]	[ C ]	[ H ]
XS / 500	503	425	518	490	585	395	105
S / 520	520	450	531	500	589	400	115
M / 540	528	468	540	520	591	401	138
ML / 560	539	497	550	540	594	405	155
L / 580	550	507	563	560	596	408	172
XL / 600	575	550	585	589	609	410	178
XXL / 620	578	562	588	600	611	410	195

### **IPA Composites Belgium**

#### **. Engineers with a passion for cycling**

IPA designs and manufactures fibrous composite products using a multitude of techniques. IPA also designs products on specific customer request, among others for the car, sports and aeronautical industries. IPA owns the latest machinery and has over 30 years of experience and know-how under its belt, guaranteeing the highest of quality and timely delivery. Time and again, with ambitious engineering and excellent craftsmanship, state-of-the-art technological applications are developed and improved. An engineer with a passion for cycling introduced Museeuw Bikes to the company, resulting in the present cooperation.

### **BILLATO Linea Telai Italy**

#### **. The choice of champions**

Billato is a family business which was established in 1954. Today, it has grown to be one of the five top frame builders in the world.

The reason the Billato name does not ring any bells with even the most ardent cycling enthusiasts is due to the fact that Billato produced frames are raking in victories under other brands' names. A great many accomplished professional cyclists, among whom Sean Kelly, Greg Lemond and Chris Boardman, already relied on Billato craftsmanship and experience. And as of 2006 Billato will be adding the production of Museeuw bikes frames to its list of accomplishments as well.

The basic material is produced in Belgium and then transported to Billato's new facility in Padova. Here the tubes are shaped and the frames hand-assembled using Billato's unique Flax Carbon Wrapping System technique.



