

## Windform NewsLetter

Description: Scopo della lista è quello di tenervi aggiornati sulle ultime novità Windform.

Send date: mercoledì, 27 settembre 2006

**Mailing subject:** WF Newsletter n.4 - Congresses and new XT electrical data

**Mailing content:**

On our **CRP Technology website** is finally online **[THE NEW FORUM](#)** in which you can read our opinion and discuss about technical subject, regulation and gossips in F1, World Motorbike Championship, WRC and Rally Raid.

**We are very excited to invite you to tell us what you think!**

### INDEX

- On Track with Rapid Manufacturing at Red Bull F1
- 3 three International Congresses for CRP Technology management
- WINDFORM® XT Electrical Properties
- New recyclability record for WINDFORM® XT: 18 builds!
- last WINDFORM® F.A.Q (Frequently Asked Questions)

### **On Track with Rapid Manufacturing at Red Bull F1**



19th-20th September 2006 Heritage Motor Centre, Gaydon, Warwickshire, UK has host TCT 2006 Conference and Exhibition, the UK's No.1 Rapid Product Development & Manufacturing Exhibition and Conference. The event has showed the latest solutions from this sector backed with real world examples of benefits with such technologies. Steve Nevey, Red Bull Racing Business Development Manager, has taken part with references to WINDFORM® XT used at Red Bull Racing. Below's the report or read it on the websites, with pics too.

Great paper by Steve Nevey (Red Bull Racing F1 team), that has been able to transmit the incredible Red Bull team's energy: new stylish way of life and business run under everybody's skin while getting in touch with Red Bull "powered" staff, and CRP does love it at all!

What CRP is trying to do is to "make it first", and it reached this goal many times in hi-tech manufacturing processes (just to remind a few: Windform materials for laser sintering technology, titanium rapid casting for complex shaped F1 cars' parts, MMC CNC machining with custom diamond tools). Red Bull is doing the same in communication and marketing activity, and let's say that they are doing a great job!! Just let's think about the amazing Energy Station, where everybody in the F1 paddock will have the chance to feel like king or queen. Or may I remind those crazy sponsored "extreme" sports where Red Bull "gives you wings"! So they are absolutely in tune!

By the way, after a brief introduction on RBR business, Steve spent nice words on partnership with CRP and in particular on cooperation between RBR aerodynamic Dept. and CRP RP Dept. There are still some needs to be satisfied, but CRP will do his best to make this job too as soon as possible.

In brief, after underlining the main challenges they have to face every day, that are Most effect use of

time, As many design iterations as possible, Focus on ROI and Best spend for limited resources, he focused on aerodynamics area: [click here to read the case study](#).

Just to recall what is behind this hi-tech racing team Steve finished explaining their next steps:

- Continue to improve cars
- Enjoy Ferrari and Renault power
- Have fun
- Make sure everyone else is having fun
- Win the World Championship

**And CRP does hope to be part of their great plans as long as possible!**

### **Three International Congresses for CRP Technology management**

The importance of CRP Technology in the world of Rapid Prototyping, or as a partner in the Automotive, Motorsport and Aerospace industry is more and more leading. It is confirmed by the company's thirty years experience and with its' presence in three International Congresses that will take place in the next few months.

Here below you can read the short abstracts of these three attendances, together with technical details, subjects, pictures, and particulars.

Eng. Franco Cevolini, Chairman of CRP Technology, will participate in the **Global Motorsport Congress 2006**, which "brings together key industry figures from the automotive and motorsport world", this event will take place in Cologne, Germany, 6th and 7th of November. His lecture is scheduled for 3.00 PM on Monday the 6th of November and its' title is: "Application of Laser Sintering Technology in Motorbike Sport"

[CLICK HERE to read the abstract of his lecture](#)

For any further details you can visit the Congress website at:  
<http://www.globalmotorsportscongress.com/index.php>

November 27th and 28th, in Frankfurt, Germany, **Euro uRapid Congress** will take place, "on Rapid Prototyping and Rapid Tooling and Rapid Manufacturing". Eng. Franco Cevolini will lecture the 28th regarding, "Rapid Manufacturing with carbon reinforced plastics: applications for motor sport, aerospace and automotive small lot production parts"

[CLICK HERE to read the abstract of his lecture](#)

For any further details you can visit the Congress website at:  
[http://www.urapid.de/eng/index\\_e.htm](http://www.urapid.de/eng/index_e.htm)

On the 1st of December at 12.00 pm, Eng. Livia Cevolini, CRP Technology's Marketing and Sales Director, will lecture at the **Euromold Congress, the "World fair for Moldmaking and Tooling, Design and Application Development"**, that will take place in Frankfurt, Germany from the 29th November until 2nd December. She will lecture about "Parts That Go on the Final Car".

[CLICK HERE to read the abstract of her lecture](#)

and read the Official Press release attached.

For any further details you can visit the Congress website at:  
<http://www.euromold.com/english/index.php4>  
[http://www.euromold.com/pdf/2006/wohlers\\_programm.html](http://www.euromold.com/pdf/2006/wohlers_programm.html)

**We hope to meet with you during these three International appointments.**

## **WINDFORM® XT Electrical Properties**

In order to test the specific electrical volume resistance according to DIN IEC 60093 of WINDFORM® XT, CRP has compared it with other antistatic or insulating materials for laser sintering as the Duraform® PA.

While the Duraform has a conductivity equal to  $6.5 \text{ E}9 \text{ Ohm m}$ , WINDFORM® XT is placed as one of the first materials for laser sintering technology in the world that is enough conductive with its  $1.3 \text{ E}0 \text{ Ohm m}$ .

This characteristic paves the way for new applications in sectors as the electric one besides the ones where it has been used till now as Aerospace, Racing, Motorsport and Automotive first of all. [Click here to download the pdf.](#)

## **New recyclability record for WINDFORM® XT: 18 builds!**

CRP has updated some technical data and declares that certified lab tests proved the incredible recyclability of WINDFORM® XT: after 18 builds, with only 30% of new and 70% of used powder, the mechanical and thermal properties are almost the same:

Average Young modulus: 7292 Mpa (7320 with fresh powder)

Average UTS: 72 Mpa (77.8 with fresh powder)

Average elongation @ break: 3.43 % (2.6% with fresh powder)

## **Last WINDFORM® F.A.Q (Frequently Asked Questions)**

On our WINDFORM website, you will find the latest version of F.A.Q (Frequently Asked Questions) that has been published. We have taken time to answer the most common questions in order to allow you to know our materials better. Providing you answers regarding its' characteristics and its' high performances, including all the technical data comparing WINDFORM with other similar metal alloys.

We also share some suggestions on the site in regards to how and where WINDFORM products can be applied. Showing the great advantages due to its' properties, reliabilities, and also for its' recyclability.

[Here is the link](#)

### **Attached files:**

[terry wohlens immediate release.pdf](#)