

REMANUFACTURING UPDATE JUNE 2012

RESEARCH & DEVELOPMENT NEWS FROM BAYREUTH



Editorial

Dear Readers,

do you concentrate your attention to those billboards along motorways, which advertise soft drinks, cell phones or whatsoever?

I think most of us rather concentrate on the other road users or on our fellow passengers...

Only recently, when using an eight-lane highway near Johannesburg / South Africa, a giant advertising billboard attracted my attention:

Thereon a premium car manufacturer glorified Remanufacturing!

I hope that you will also discover such pleasant surprises here and there – and that you will find our today's newsletter interesting again.

Enjoy reading!

Rolf Steinhilper



→ **Rolf Steinhilper**
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BAYREUTH UNIVERSITY
UP **Chair Manufacturing and Remanufacturing Technology**

2012 WORLD REMANUFACTURING SUMMIT

On 3rd and 4th September, leading representatives from industry, science and politics will come together at Bayreuth University in Germany for the WORLD REMANUFACTURING SUMMIT, the first global conference of its kind in scale and scope.

Designed as an event spanning the globe, this Summit will provide a unique platform for sharing visions, missions and experiences of the market leaders and innovation pioneers or to enhance technological knowhow by listening both to the multinational big players as well as to the hidden champions from the small and medium size enterprises who are the drivers of the booming remanufacturing business.

This Summit intends to go beyond a comprehensive overview of state-of-the-art remanufacturing technology and business development: as we all know, there are still quite a few critical questions or even controversial deciding factors regarding strengths, weaknesses, opportunities and threats in the remanufacturing business.

For this there will be high level presentations from leading representatives of the remanufacturing industry coming from all around the globe and the world's major remanufacturing regions – USA, Japan, China, Australia and many European countries. They will enrich the Summit's scope by their talks which are all about well chosen topics and issues.

Do we need to say that there will also be a very attractive accompanying program? For early arrivers there will be a short city tour through Bayreuth's nice historic city centre

on Sunday which ends in a traditional Bavarian beer garden where everybody can enjoy the rest of this casual evening. On Monday every participant and his escort is invited to visit the museum of the local brewery Maisel which is worldwide renowned for its famous wheat beer. After this the gala dinner will take place in a historic vaulted cellar accompanied by traditional Bavarian music. Highlight of this evening will be the awarding of the "Remanufacturer of the Year", the yearly honouring of an excellent performing player of the remanufacturing industry, presented by the ReMaTecNews. Escorting persons who do not attend the Summit itself will be invited to take part in an entertaining accompanying program.



Aktienkeller, location of the gala dinner

We are sure - every attendee will benefit from participating and networking with all the other preeminent remanufacturing experts who will be present at the Summit and we all look forward to welcome you to Bayreuth in early September.



→ **Sandra Seifert**
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Important Links

Latest summit information
www.remansummit.com

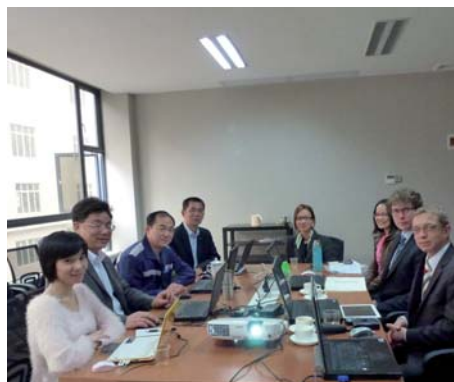


Nomination Remanufacturer of the Year
www.rematecnews.com



Working for Mingjie Resources – Remanufacturing in China

Our Bayreuth University and Fraunhofer engineers' work for the remanufacturing industry has recently attracted the attention of China, which is seeking to expand its remanufacturing industry over the next years in its actual five-year plan. Scientists from Bayreuth received an order from MINGJIE Resources from Foshan, China to bring in their knowledge.



Chinese - German business meetings

MINGJIE Group is a rapidly developing company for environmental protection science and technology. The main business of the Group includes the recycling and dismantling waste of electrical and electronic equipment as well as end-of-life vehicles, furthermore, the remanufacturing of worn out

motor vehicle parts as well as the design and manufacturing of environmental protection equipments. The Group is specially fostered by the government and has committed itself to the country's environmental protection business to make its due contribution for more recycling.

Therefore, MINGJIE cooperates with a lot of famous academics and research institutes locally and abroad to do R&D and manufacturing of environmental protection equipment and to set up a learning and research integrated demonstration base. To this background, MINGJIE Resources commissioned a project targeted to develop innovative remanufacturing processes and factory planning for their new remanufacturing plant in China. Furthermore, it shall support the start of their new remanufacturing business. Due to broad experience in the fields of remanufacturing, lean production, process reorganization and layout planning, Bayreuth's Fraunhofer Project Group Process Innovation offered their support in order to solve the challenges of MINGJIE Resources.

Primary goals of the project are the development of specific remanufacturing pro-

cesses, the planning of factory layouts as well as the implementation of the developed remanufacturing processes and finally the training of MINGJIE engineers.



MINGJIE and Fraunhofer engineers work hand in hand

To reach these goals Fraunhofer Project Group Process Innovation elaborated a seven-point plan to support MINGJIE Resources during their ambitious task. Next to investment aspects and logistics planning a main focus is on remanufacturing technologies for engine components.

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Meet one of our Experts - Today: Dipl.-Wirt.-Ing. (FH) Stefan Schweinstig

Today we would like to introduce Dipl.-Wirt. Ing. (FH) Stefan Schweinstig to you. Stefan is our expert in cleaning technologies and cleaning processes.

Stefan Schweinstig

Age: 34

Nationality: German



Career: **2007** Degree in industrial engineering, **2007-2008** managing engineer at Elringklinger Kunststofftechnik GmbH, since **2008** research assistant, since **2012** group leader cleaning technology in remanufacturing.

What are your activities in remanufacturing research?

My personal research interest is in remanufacturing of automotive components, especially in cleaning technology and technical cleanliness.

How did you come to remanufacturing?

With starting my career at the Chair Manufacturing and Remanufacturing Technology in 2008. After approximately two weeks of working there the first automatic transmission had to be analysed regarding cleaning possibilities and technical cleanliness.

What do you do in your free time?

I like sports, especially Taekwondo and riding my motorbike.

What gives you pleasure?

Seeing that everything is going well - in business as well as in private life.

What are your wishes for the reman branch?

I hope that my research will bring a suitable benefit for the remanufacturing branch.

Imprint

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