

## BlueAlp and KraussMaffei Extrusion announce partnership to accelerate plastic recycling

- BlueAlp’s patented slow-cracking process produces high-quality pyrolysis oil to make circular plastics
- ZE BluePower twin-screw extruder as key technology for chemical recycling processes
- Contract signing at PRSE in Amsterdam

**(Laatzen/Amsterdam, May 6, 2026). BlueAlp, a leading chemical recycling technology company in the Netherlands has announced its partnership with KraussMaffei Extrusion. Unveiled at the PRSE (Plastics Recycling Show Europe) in Amsterdam, the collaboration focuses on BlueAlp’s technology using the ZE BluePower technology from KraussMaffei Extrusion enhancing the overall performance and output quality of the chemical recycling process. The twinscrew extruders will be installed at the BlueAlp plant built in Italy by sustainable waste management company RES, as well as at BlueAlp’s Oostende plant.**

The co-rotating twin-screw extruders ZE BluePower are optimally designed for demanding recycling applications and impress with high energy efficiency. Additional benefits include efficient material processing even at high melt temperatures and high melt pressure.

### **Successfully validated at the Technology Center**

For the pyrolysis process, the ZE BluePower ensures efficient, stable, and reliable conditioning of the plastic material. This has been impressively confirmed through extensive testing at the Technology Center in Laatzen.

The Technology Center will continue to support ongoing process optimization at BlueAlp and provide ongoing support for the applications during operation. This close integration of development and application creates clear added value.

**KraussMaffei Extrusion GmbH**  
**Marketing & Corporate Communication**  
Krauss-Maffei-Strasse 1  
30880 Laatzen/Germany

Phone +49 (0) 5102 86088605  
[www.kraussmaffei.com](http://www.kraussmaffei.com)

“The BlueAlp project is a prime example of how our extrusion technology can make a decisive contribution to scaling up chemical recycling processes. At the same time, it demonstrates the added value we can offer our customers throughout the entire process development cycle through our Technology Center,” explains Ralf Benack, Managing Director of KraussMaffei Extrusion. “We look forward to collaborating with BlueAlp and working together to drive innovative solutions forward.”

### **Aiming for industrial scale**

Through this collaboration, BlueAlp aims to accelerate the scaling up of its chemical recycling technology and efficiently return plastic waste to the recycling loop.

“This partnership is an important building block in our technology and roll-out strategy. KraussMaffei Extrusion’s proven track record, combined with its ability to adapt and innovate, makes it an ideal partner. Together, we are well positioned to accelerate plastic recycling,” adds Valentijn de Neve, CEO of BlueAlp.

### **Thinking about plastics in a circular context**

The common goal is clear: plastic waste is becoming a valuable resource. In February 2026, the European Union adopted mass balance rules, marking an important milestone for chemical recycling. Regulations, innovation and the value chain are together driving a surge in investment in this sector.

01\_PM\_EXT\_2026\_05\_Contract signing at PRSE.jpg

Signing the partnership at PRSE in Amsterdam:

Valentijn de Neve, CEO of BlueAlp, and Ralf Benack, Managing Director of KraussMaffei Extrusion (from left)

02\_PM\_EXT\_2026\_05\_Teams.jpg

Driving the future of chemical recycling together:

The teams of BlueAlp and KraussMaffei Extrusion with Jan Bruys, Albert Boogert, Valentijn de Neve, Ralf Benack, Mathijs Meijs and Jörg Hasse (from left)

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[www.kraussmaffei.com](http://www.kraussmaffei.com)

Photos: KraussMaffei/BlueAlp

Further information and images in print quality are available at:

[www.kraussmaffei.com](http://www.kraussmaffei.com)

**Press contact:**

Petra Rehmet

Marketing & Communication Manager Extrusion Technology

KraussMaffei Extrusion

Phone: +49 (0) 5102 86088605

Email: [Petra.Rehmet@kraussmaffei.com](mailto:Petra.Rehmet@kraussmaffei.com)

Urvashi Athavale

Marketing & Communications Manager

BlueAlp

Phone: +31 (0)85 782 3044

Email: [Urvashi.Athavale@bluealp.nl](mailto:Urvashi.Athavale@bluealp.nl)

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**KraussMaffei - Pioneering Plastics**

KraussMaffei is a leading global manufacturer of machines, plant, and system solutions for the industrial production and processing of plastics and rubber. For more than 187 years, the brand stands for cutting-edge technology and innovative solutions. KraussMaffei is the only supplier in the industry to combine all key technologies in one place: injection molding machinery, extrusion technology, reaction process machinery, automation, and additive manufacturing.

With this unique technology portfolio, the company develops standardized and customized product, process, digital, and service solutions, thereby creating sustainable added value along its customers' entire value chain. Its range of services is aimed at companies in the automotive, packaging, medical, and construction industries, as well as manufacturers of electrical and electronic products and household appliances.

KraussMaffei employs around 4,000 people worldwide. With more than 30 subsidiaries, over ten production sites and around 570 sales and service partners, KraussMaffei combines international strength with local customer proximity.

Further information: [www.kraussmaffei.com](http://www.kraussmaffei.com)

**About BlueAlp**

**KraussMaffei Extrusion GmbH**  
**Marketing & Corporate Communication**  
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30880 Laatzen/Germany

Phone +49 (0) 5102 86088605  
[www.kraussmaffei.com](http://www.kraussmaffei.com)

BlueAlp is a leading chemical recycling technology company, with a proven and scalable technology to convert mixed plastic waste into circular base material for the petrochemical industry. Driven by its mission to accelerate plastic recycling, BlueAlp enables the transition toward a truly circular plastics economy. BlueAlp has developed its unique process step by step, starting with its first 3kt plant in Switzerland. Building on this solid foundation, Renasci (now BlueAlp Oostend) licensed BlueAlp's technology to develop and operate a 21kt scale-up facility, demonstrating the robustness and commercial readiness of the process. Today BlueAlp is growing its operations globally, which includes amongst others building the largest pyrolysis plant of Italy together with Italian waste manager RES.

BlueAlp operates through three complementary business models: the development and licensing of proprietary technology; the delivery of detailed engineering and fabrication of chemical recycling plants; and the ownership and operation of chemical recycling facilities. Headquartered in Eindhoven, the Netherlands, BlueAlp employs approximately 130 people, incl. BlueAlp Oostend employees in Belgium. The company is supported by a strong shareholder base including Borouge International, Shell, Rumali, Den Hartog, and Mourik.

[www.bluealp.nl](http://www.bluealp.nl)

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