

In Case You Missed It: **BUSINESS NEWS FROM THE FIELD**



Concord, Ontario, Canada: Prodevco Robotic Solutions updated its PCR42 system, the company's advanced robotic plasma steel cutter, to accommodate larger beams. The standard system can now process beams up to 40 inches, while optional upgrades allow for up to 48-inch beams. The PCR42 combines plasma cutting and torch technology with fully automated robotics and laser measuring systems. The robot provides structural steel cutting that blends speed, precision, and a complete seven-axis operation. It can cut features onto four face profiles including slots, holes, and markings. (Photo Credit: Prodevco Robotic Solutions)

Li-Cycle Partners in Battery Recycling

Toronto, Ontario, Canada: Li-Cycle Holdings Corporation is partnering with Veolia Water Technologies to provide HPD crystallization technology for the battery recycling process at a lithium-ion battery recycling plant in Rochester, New York. Veolia's technology allows a recycler to optimize the creation of nickel sulfate and cobalt sulfate from lithium-ion batteries and transforms them into high-purity raw materials, ready to be used in new batteries. When fully operational in 2023, they expect to help recycle around 225,000 electric vehicle batteries per year.

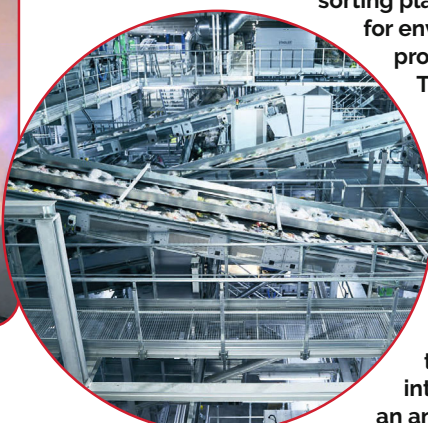
New Collaboration to Clean Up Bauxite

Boucherville, Quebec, Canada: Geomega Resources Inc., a developer of clean technologies for the mining, refining, and recycling of critical materials, announced that Innord Inc., its wholly owned subsidiary, has signed a term sheet with Rio Tinto to enter into a development agreement for Bauxite Residues Iron Phase Product. Rio Tinto will provide one million dollars in funding for Innord to complete the required proof-of-concept work and the subsequent small-scale locked cycle pilot plant at its Boucherville facilities.

Do you have business or industry news of interest to the minerals, metals, and materials community?

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Altshausen, Germany: STADLER designed and installed an advanced light packaging sorting plant in Eitting, Germany, for environmental service provider PreZero Recycling. The new facility is the most advanced light packaging sorting plant in Europe, capable of sorting the packaging fractions by color and filtering black plastics. The results are extremely high-quality materials that can be recycled into new products. With an annual throughput of approximately 120,000 tons, it is the biggest light packaging plant in Europe. (Photo Credit: STADLER)

Lincoln Electric Printed Urgent Parts

Cleveland, Ohio, USA: Lincoln Electric harnessed its proprietary metal 3D printing technology to deliver just-in-time components to Chevron USA after it had undergone a routine maintenance shutdown. With supply chain delays extending the lead times of traditionally manufactured parts, Chevron's planned restart schedule was disrupted. By working with Lincoln Electric, and by leveraging its wire-based metal additive manufacturing technology, the company was able to print critical replacement parts that met both production and quality standards. The eight parts were printed in a nickel alloy across a 30-day timeframe and averaged approximately three feet in length and over 500 lbs in weight.

Advanced Metal Processing Lab Opens

Irvine, California, USA: The University of California, Irvine held a grand opening celebrating the completion of a metal processing facility for its Advanced Casting Research Center (ACRC). The new lab includes a modern foundry, a vacuum melting system, and a complete Spectro lab for chemical analysis, along with other state-of-the-art features. The ACRC is one of the largest industry-university consortia in North America dedicated to collaborative research in metal processing and manufacturing. Founding director of ACRC, Diran Apelian was instrumental in the facility's creation.