

FOUNDRY REVIEW
7-8'2025
-SUMMARIES-



ITM INDUSTRY EUROPE TRADE FAIR. FOUR DAYS OF INSPIRATION FOR INDUSTRY, SCIENCE AND BUSINESS.

THE NEW FOCAST FOUNDRY SHOWROOM

Several hundred exhibitors turned up in the exhibition space at ITM INDUSTRY EUROPE 2025, this year's edition of which took place on 3-6 June . Product innovations and current trends are regular features of this event, but the Fair is primarily an opportunity to meet other people. Inspiration, contacts and knowledge are now becoming the foundation for the success of ITM INDUSTRY EUROPE.

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THE STATUS QUO AND DEVELOPMENT PROSPECTS FOR DIE CASTING. PART I

Contemporary development trends in die casting were presented, with particular emphasis on die casting of aluminium alloys. Among the most significant progressive trends was the development of giant casting technology for castings weighing up to 200 kg, with the design of pressure gigamachines with pressing forces of up to 16,000 tonnes, together with comprehensive process optimisation, including innovative ways of introducing liquid metal into the mould cavity. Particular attention was paid to the extraordinary expansion of die casting methods from the semi-liquid state (rheocasting, thixocasting). The growing role of thixomoulding technology in the manufacture of ultralight alloy products with minimised liquid phase content was highlighted. The significance of the increasing role of magnesium alloys in the manufacture of super-lightweight products with a specific complex of properties, their importance, especially in the defence industry, was analysed. The importance of fundamental research in the development of modern materials engineering, using the unique SMART apparatus for the study of high-temperature interaction in liquid (semi-liquid) metal/solid systems was discussed. Such research in the field of high-temperature liquid metal engineering allows further refinement of semi-liquid casting and mega-casting technologies towards dual means of producing (dual use) monolithic and heterogeneous products with a high complex of performance characteristics, including composite products and functionally gradable structures.

AFTER HALF A CENTURY SINCE THE FIRST CAST IRON SMELTING, SKOCZÓW FOUNDRY IMPLEMENTS TECHNOLOGIES OF THE FUTURE

Teksid Iron Poland is an industrial landmark of Skoczów and at the same time one of the most important plants of the entire Cieszyn Silesia region. And 2025 marks the 50th anniversary of the first smelting of cast iron at the FSM foundry in Skoczów, Plant No. 5. The jubilee ceremony to commemorate this historic event took place on 5 June 2025.

CASTFORGE FAIR – INTERNATIONAL, FAMOUS AND GROWING

From 9–11 June 2026, the fourth edition of CastForge will take place at the Messe Stuttgart building, bringing together key industry decision-makers. A regular fixture on the industry calendar.

When the CastForge International Casting and Forging Fair opens its doors for the fourth time on 9 June 2026, one thing will be clear: this event has firmly established itself in Germany and Europe.

21ST POLISH FOUNDRYMEN'S TENNIS CHAMPIONSHIPS POZNAŃ – FAIRPLAYCE 13–14 JUNE 2025

On 13–14 June 2025, the beautiful, well-equipped “FairPlayce” Sports and Entertainment Centre in Poznań hosted the 21st Polish Foundrymen's Championships in Tennis. As every year, the event attracted ‘white sport’ enthusiasts from all over Poland. Twenty-five competitors entered the sporting competition.

60TH ANNIVERSARY OF POLYTECHNIC EDUCATION AT THE FACULTY OF MECHANICAL ENGINEERING AND TECHNOLOGY OF THE RZESZÓW UNIVERSITY OF TECHNOLOGY COMBINED WITH MATEDAS 2025

On 11–13 June 2025, the Faculty of Mechanical and Technological Engineering (WMT) of the Rzeszów University of Technology in Stalowa Wola celebrated 60 years of presence and polytechnic education in the region.

An integral part of the celebrations was the “MaTeDaS 2025 International Scientific Conference on Materials and Technologies for Defence and Security” organised once again and dedicated to research opportunities for the defence industry. The main objective of the conference was to exchange the experience and knowledge of university staff and companies in order to strengthen cooperation with Polish defence industry companies as well as foreign ones.

RENOVATION OF THE FOUNDRY DEPARTMENT COMPLETED

Comprehensive modernisation of the D-8 building, the headquarters of the Foundry Department, has been completed. The state-of-the-art space with teaching and laboratory facilities will serve the next generation of male and female students, researchers and scientists. The symbolic grand opening of the building took place on 25 June 2025.

SCHOOL ON S&T MECHANICS, METALLURGY & GREEN PROCESSING

The Technical Association of Polish Foundrymen (STOP) took part in the project 'School on S&T mechanics, metallurgy & green processing' as a Network Partner of the NetCastPL4.0 project. The event was organised by one of the project partners of the Faculty of Foundry Engineering at the AGH University of Science and Technology in Krakow from 30 June to 2 July 2025. Green Castings manufacturing is an idea that should guide foundries to reduce the environmental impact/impact of the production processes they use and the products they manufacture.