

Cooperation between MAGMA and GTP Schäfer advances foundry 4.0 and the digitalisation of the casting industry: Technical data now available in MAGMASOFT®

Grevenbroich/Aachen, Germany, 1 May 2019 – GTP Schäfer, Europe's leading producer of exothermic and insulating risers, and MAGMA, the world's leading provider of software for the simulation and optimisation of casting processes, announce a new cooperation. Technical riser data of the GTP Schaefer product range is to be made available in MAGMASOFT®. MAGMASOFT® is a comprehensive and powerful simulation tool, that enables foundries to improve quality, optimise processes and reduce manufacturing costs by allowing the foundry to simulate gating and risering prior to the production of castings. The shape and size of the riser, as well as the position can be adjusted until the desired solidification is reached permitting the production of castings free from porosity and stress.

Due to the technical cooperation between MAGMA and GTP Schäfer, based in Grevenbroich in the industrial heartland of western Germany, the thermo-physical data for the GTP Schäfer product range is made available to all MAGMASOFT® 5.4 users worldwide, plus all who have purchased the update rights, to simulate castings.

The data of GTP Schäfer's standard product range enables the foundry to select risers having a modulus between 0.7 to 5.0 cm via a database accessed from the MAGMASOFT® 5.4 program. Supplementary to the

standard product range an online interface developed between MAGMASOFT® and the digital online portal “GTP Toolbox”, allows users to import their customised, portfolio that includes risers that were specifically developed to meet the individual requirement of the customer into MAGMA. The user friendly toolbox data offers access to riser, sleeve and breaker core geometries in both 2D and 3D format meaning that labour intensive creation of files for individual customer use is no longer necessary. The riser data that can be accessed directly from the GTP Toolbox or via the main GTP website is, therefore, always up-to-date.

Visit the stands of both GTP Schäfer and MAGMA at the world famous GIFA exhibition held in Dusseldorf between June 25th and 29th 2019 to see what this new cooperation can offer you.

Sleeve Database
Select a model and a specific type of sleeve to place in geometry.

ECO-Risers with metal breaker core
Characteristics
 - optimal energy balance due to the combination of exothermic and isolating mass
 - very low heating of the riser environment
 - applicable near casting contour
 - usable at space critical areas
 - suitable for the application in ores
 - available as THERMO- and POINT-Riser-version
 - low fluoride riser system

Applications
 - grey cast iron
 - ductile iron
 - cast steel

Type	Modulus[cm]	Volume [cm ³]	Inner Height [mm]	Height Breaker Core [mm]	Outer Diameter [mm]	Height [mm]
ECO610 ME20N	1,9	82	112	20	88	127
ECO610 ME20N	1,9	82	112	20	88	127
ECO747 ME25N	2,2	110	119	25	106	136
ECO1331 ME25N	2,8	160	124	25	131	137
ECO2380 ME31N	3,3	330	141	30	150	156
ECO2870 ME31N	3,5	530	197	30	150	216
ECO3200 ME31N	3,6	410	151	30	170	173
ECO5500 ME41N	4,7	780	195	40	195	217

Additional types available at www.gtp-schaefer.com

Download more GTP Schäfer datasets... OK Cancel

New geometry database in MAGMASOFT® offering easy access to sleeve product portfolio of GTP Schäfer

Exhibitor data for GTP Schäfer at GIFA 2019

GTP Schäfer

Hall 12, A29/30

Exhibitor data for MAGMA at GIFA and METEC 2019

MAGMA

Hall 12, A19/20 and Hall 4, E29

About GTP Schäfer

GTP Schäfer, The RISER Company, has a global presence, with operations in Germany, the USA, China, Turkey and India. The development, manufacture and delivery of innovative high performance riser systems is THE exclusive focus of GTP Schäfer.

More than 160 employees work at the company's headquarters in Grevenbroich in the industrial heartland of western Germany, where riser systems have been produced since 1988. In recent years GTP Schäfer has expanded into Europe, USA and Asia, and now delivers to foundries all around the world. Together with its sales and service partners, the company works with customers in over 25 countries.

As a family-owned business, GTP Schäfer combines innovation, sustainability and strong growth with an interactive and personal relationship with our customers, employees and suppliers.

About MAGMA

MAGMA is a worldwide leader in developing and providing software for casting process simulation and virtual optimization. MAGMA stands for robust, innovative cast solutions and for reliable partnerships with the metal casting industry, including casting designers and buyers. MAGMA's products unite the complexity of the casting process with user-friendliness to create economical solutions for its customers. MAGMA partners with its customers in the integration and effective use of the software, helping them to realize clear cost advantages.

MAGMA's range of products and services includes the simulation software MAGMASOFT® autonomous engineering, for virtual designs of experiments and autonomous optimization of casting processes, as well as comprehensive engineering services for casting design and process optimization. Today, MAGMA's software is used by more than 2000 companies all over the world for cost-effective casting production, reduced quality costs and for establishing robust processes for all applications, particularly in the automotive industry and mechanical engineering.

With the MAGMAacademy, MAGMA provides extensive implementation and educational offerings for all topics associated with casting process simulation. MAGMASOFT® users, together with their colleagues and managers, learn in trainings, workshops and seminars how they can use simulation and virtual optimization for optimizing casting design processes, lowering production costs and increasing resource efficiency.

MAGMA Giessereitechnologie GmbH was founded in 1988 and is headquartered in Aachen, Germany. A global presence and support are guaranteed by offices and subsidiaries in the USA, Singapore, Brazil, Korea, Turkey, India, China and the Czech Republic. Additionally, more than 30 qualified partners represent MAGMA around the world.

www.magmasoft.de/en

354 words, 2264 characters including spaces

Contact

You are welcome to use the information to update and inform your readers about MAGMA, free of charge. For feedback, comments and more information, please contact:

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