



CASTECH™ machine with filler-dosing unit

Adding recycled content to hot cast elastomers is easy with new CASTECH™ kit

Huntsman's new equipment can boost recycled content of engineering elastomers

Huntsman Tecnoelastomeri has developed a new piece of solid dosing equipment that can be coupled with its CASTECH™ machines to produce hot cast elastomer systems, which contain recycled content and, crucially, are bubble-free.

With sustainability now top of the agenda for most companies, Huntsman wanted to find a way to seamlessly incorporate recycled content into its hot cast elastomers systems, which are widely used to make wheels, castors and other industrial parts that need to perform in extreme working conditions.

Acting as a bolt-on tank that can be added to existing CASTECH™ machines, the new piece of kit, can meter a mix of recycled or recovered fillers into any of the three components that are typically combined to make Huntsman's TECNOTHANE® engineering elastomers.

The system enables customers to add different percentages of filler to their systems to suit requirements. Fillers can be

made from recycled rubber, solid PU and TPU, and other fibres. Once mixed with the system, the fillers flow freely into the mold and bond well.

CASTECH™ machines are a low-pressure, equipment solution for the efficient metering, mixing and hot casting of elastomers based on two or more components. Using CASTECH™ machines, it's possible to produce high-grade elastomers with a very high mix quality, based on MDI, TDI and NDI prepolymers, or microcellular foam systems. Customizable in multiple ways, CASTECH™ machines are the flexible elastomer equipment choice – enabling users to specify their processing machine.

*NB: *Huntsman's new equipment is compatible with CASTECH™ machines produced after 2018.*

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Composites that can be made from PU waste or rubber or reinforced fibres

HUNTSMAN

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