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Hitachi Zosen Inova Presents Grate Block Innovation

Plant engineering and service company Hitachi Zosen Inova (HZI) has announced an innovation for the revision of reciprocating grates for Energy from Waste plants.

The new HZI DuoBlock, a dual grate block, is 206 mm wide, and designed for easier handling during revision and to save costs for clients. Lorenz Mäussler, Director Global Spare Parts at HZI, was involved in the development of the block: “The HZI DuoBlock is already considerably cheaper for our customers when purchased. It’s quicker to fit and reduces downtime and mounting costs during revision.”

The block comes with an additional mounting option: blocks can be bolted together, or tension rods can be used. This facilitates replacement of individual grate blocks. The block weighs 35 % less than two individual blocks, so it reduces wear on grate carriages and drives. The number of gaps between the grate blocks used is reduced by 50 %, which reduces the risk of spreading and setting up grate rows and thus unplanned plant downtimes.

The new grate block can be used with all HZI R-series reciprocating grates. It is not necessary to replace the complete grate surface: individual rows and zones can also be swapped out, for example in the course of regular revision. The grate block is available in the classic HZI design and as a variant with primary air injection on the top. The primary air supply on the top side reduces the tendency to clogging in special applications, thus reducing the thermal load on the grate blocks and increasing their service life. You will find more information [here](#).



Photo: Various versions of the HZI DuoBlock are available.

About Hitachi Zosen Inova

Zurich-based Hitachi Zosen Inova (HZI) is a global leader in energy from waste (EfW), operating as part of the Hitachi Zosen Corporation Group. HZI acts as an engineering, procurement and construction (EPC) contractor and project developer delivering complete turnkey plants and system solutions for thermal and biological EfW recovery. Its solutions are based on efficient and environmentally sound technology, are thoroughly tested, and can be flexibly adapted to user requirements. HZI's Service Group combines absolute commitment to research and development with extensive manufacturing and assembly capabilities and looks after your plant throughout its entire life cycle.

The company's customers range from experienced waste management companies to up-and-coming partners in new markets worldwide. HZI's innovative and reliable waste and flue gas treatment as well as gas upgrading and power-to-gas solutions have been part of over 600 reference projects delivered since 1933. To find out more about HZI, please visit www.hz-inova.com.

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