PRESS RELEASE

Smart, efficient compressed air solutions for the textiles industry

Kaeser Kompressoren proudly celebrates its 100th birthday in 2019 and, to mark this anniversary, will be showcasing the full extent of its expertise in the field of compressed air production and treatment at this year's ITMA. A host of innovations will be on show under the theme of "Tradition and Innovation", demonstrating not only the most reliable, efficient and cost-effective compressed air supply solutions available, but also the increasing importance of 'Industrie 4.0' for the textiles industry.

High-efficiency compressors, economical air treatment systems, smart engineering and intelligent services are just some of the highlights that demonstrate what a modern, demand-oriented compressed air supply can look like when combined with expert planning.

You can even take a look into the future: using Smart Engineering station simulations, it is possible to see how the compressed air system will perform when fully operational even before it has been built. Furthermore, the new Sigma Smart Air service shows how servicing and maintenance works in the age of 'Industrie 4.0': Sigma Smart Air combines remote diagnostics with data-led predictive maintenance - a comprehensive, worry-free service package that not only saves the user both time and money, but which also ensures maximum compressed air availability. At the core of this futuristic concept is the Sigma Air Manager 4.0 in combination with the Sigma Network. This intelligent master controller and the high-performance, self-contained network are the perfectly-matched prerequisite components for Kaeser's 'Industrie 4.0' package.

Efficiency, in every sense of the word, is a key priority at Kaeser, as is the company's commitment to responsible use of resources. To this end, all frequency-controlled rotary screw compressors will now feature a synchronous reluctance motor, which ensures lower losses - particularly in the partial load range – than an asynchronous motor and is therefore significantly more efficient. With flow rates from 1.1 to 17.5

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m³/min, the CSD/CSDX series is the next machine range to follow in the footsteps of the ASD series by boasting up to 10% improved efficiency and entry into the world of minimal energy costs.

Should you require a dependable supply of quality compressed air using oil-free compression, then look no further than the FSG rotary screw compressor range. Together with i.HOC rotation dryers, these versatile compressors are not only highly efficient and economical, but are also able to deliver stable pressure dew points down to -30 °C.

With available drive powers from 7.5 to 45 kW, Kaeser's innovative boosters are the perfect choice for applications requiring higher pressures (up to 45 bar). Compact, space-saving, low-vibration and super-quiet; they are ideal complete systems and are also offered as frequency-controlled versions.

Needless to say, Kaeser Kompressoren also offers a comprehensive range of compressed air solutions for smaller compressed air requirements. i.Comp family reciprocating compressors are robust, powerful, compact, maintenance-friendly, highly efficient and much more besides: as one would expect, i.Comp machines are manufactured to Kaeser's renowned industrial quality standards and are also available as space-saving 'i.Comp Tower' all-in-one variants. These compact systems represent a completely new compressed air supply concept that was specifically created with smaller compressed air demands in mind.

Furthermore, Kaeser Kompressoren is proud to announce expansion of its highly successful Secotec range of refrigeration dryers with the introduction of its latest innovation: the TG.2 series. Designed to provide application-tailored compressed air treatment for flow rates up to 98 m³/min, these next-generation dryers feature completely new thermal storage technology. All Kaeser Secotec refrigeration dryers are manufactured to assure maximum efficiency and energy cost savings. They are also charged with the new R 513A refrigerant, which means that these machines are future-proof for the duration of their service life regarding compliance with applicable fluorinated hydrocarbon emissions regulations.

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Images:



From planning to implementation, operation and optimisation, Kaeser always has the perfect ‘Industrie 4.0’ compressed air solution to meet your exact needs.



Maximum efficiency thanks to optimum tuning: CSD rotary screw compressor variants with frequency control are available with a highly efficient synchronous reluctance drive system.



FSG rotary screw compressor + integrated i.HOC rotation dryer: oil-free compression for quality compressed air and stable pressure dew points down to -30 °C.



Both the portable and stationary versions of the i.Comp offer practical and convenient solutions for trades applications.

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The new DSD rotary screw compressors impress with their significantly improved efficiency.

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