

SMARTLY DRIVEN* PLUS glass tempering roll

NEW GENERATION OF HIGH PERFORMANCE ROLL

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More robust, precise, compact and reliable roll technology

Improved roll technology for flat glass tempering operations

The ZYAROCK* brand stands for all VESUVIUS fused silica products and technical solutions developed for the glass industry. VESUVIUS is the market leader in the supply of glass tempering rolls used to convey flat glass through a horizontal tempering furnace at about 700°C.

In 2008, VESUVIUS introduced its patented SMARTLY DRIVEN end cap technology, and has since delivered hundreds of thousands of glass tempering rolls with this environmental friendly and robust technology. This unique development eliminated the need for a resin bond and has created a superior product withstanding arduous temperature and torque operation conditions.

VESUVIUS now introduces the new innovative and patented Smartly Driven Plus tempering roll technology providing improved roll specification and robustness resulting in best roll performance and stability.

Meeting your requirements in performance and safety

Smartly Driven Plus tempering rolls represent state of the art technology provided by the market leader combining high performance with environmentally friendly technology and consistency for user's operations.

VESUVIUS designs and manufactures Smartly Driven Plus tempering rolls to fit your applications and requirements. Typical roll diameters are from 15 up to 120 mm with an overall length up to 4000 mm but it can be extended upon customer requirements. Smartly Driven Plus tempering rolls are delivered with assembled metal caps used to connect the roll to the furnace drive system.

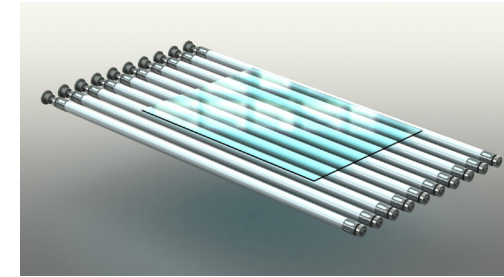
Smartly Driven Plus glass tempering roll benefits

+ The PLUS for your operations

The unique manufacturing process of VESUVIUS fused silica rolls guarantees a stable and consistent ceramic part of Smartly Driven Plus tempering rolls. The patented and innovative Smartly Driven Plus technology supports metal end cap overheating and excessive torque and is functional at a wide temperature. This reliable and reversible connection system is designed for maximum application temperatures up to 250°C with peak temperature exposure of 350°C and ensures a robust connection that also guarantees consistent roll TIR performance over time. An improved performance is provided by Smartly Driven Plus tempering rolls with tighter TIR specification supporting the operation and production of high quality tempered glass. Consistent performance from roll to roll and over the life time makes this roll the preferred choice of the glass tempering furnace builders.

+ Meeting highest environmental and safety standards

Smartly Driven Plus tempering rolls are the state-of-the-art technology combining product innovation with environmental protection. Avoiding noxious chemicals like formaldehyde and harmful components like Chrome 6+ in the manufacturing process result in an environmentally friendly product.



Where to find information about SMARTLY DRIVEN PLUS roll technology?

Website: www.glass.vesuvius.com
Contact us: www.zyारock.com

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