



BENNINGER



The first choice to upgrade your fabric.
Perfect singeing effects, cost efficiency, uniform quality.



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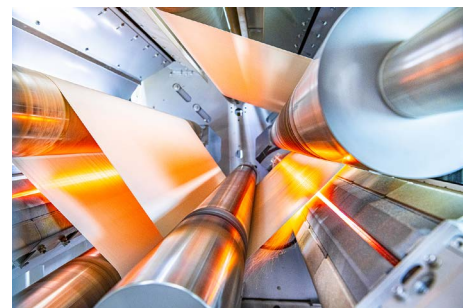
Today's fabrics need to be fashionable, functional and colour-intensive. That is why when choosing the Benninger SingeRay technology you lay the foundation for uniform quality to produce a perfectly dyed and finished fabric.

The all new SingeRay comes in a 21st century design with features that will satisfy your requirements. One of the top features are the high velocity nozzles for beyond comparison singeing effects and a flame with high energy density over the complete burner width.

Thanks to our high velocity nozzles paired with the unique flame width setting, we ensure significant energy savings.

Benninger's SingeRay is equipped with two silicium carbide burning chambers which ensure complete combustion, and the four cooling channels guarantee even temperature distribution over the complete burner width preventing any deformation.

We provide the highest possible singeing performance, a state-of-the-art automated process control paired with a versatile range of applications.



Ultimate Performance Benchmark



High Velocity Nozzle

- Even flame over entire width
- Lower emissions
- Better quality of product
- Reduced operating costs



Smart Cooling

- Even cooling of entire unit
- No deformation of burners
- Less maintenance
- Long product life



Flame Width Setting

- Automatic flame width setting
- Completely closed unused burner sections
- Significant saving in gas consumption
- Reduced operating costs



Made in Germany

- DVGW approved (German Technical and Scientific Association for Gas and Water)
- Made in Germany
- Safe operation thanks to strictest safety regulations



Datasheet SingeRay

Roll surface width	2000 - 3600 mm
Working width	1800 - 3400 mm
Mechanical speed	17.5 m/min - 175 m/min
Production speed	40 m/min - 150 m/min
Fuels	Compressed natural gas (CNG) Liquefied natural gas (LNG)
Gas pressure	90 mbar \pm 5
Burner pressure	2 - 20 mbar
Compressed air	6 bar
Water pressure	2 - 3 bar

FACTS

To achieve homogeneous singeing effects at high fabric speeds

- 4 singeing positions with reproducible adjustments of singeing intensity
- 2 high-efficiency special aluminium burners with ceramic flame guiding bricks, flame width adjustment and water cooling with temperature regulation
- distance between fabric and burner adjustable
- automatic setting of process parameters



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