



PRECISE CHEMICAL FOAM SOLUTIONS

Using propriety foam generation and application systems, Gaston Systems has an international reputation for offering high quality and innovative technologies to satisfy long-term sustainability requirements.

Low moisture Foam Application System (FAS) achieves exact, uniform application of chemicals to open-width substrates.

Gaston Systems Low moisture Foam Application System achieves exact, uniform application of chemicals to open-width substrates. Our patented system for applying foamed chemistry, at low moisture levels, onto or into substrates such as textile, carpet, non woven, or paper webs is next to none in the industry.



The Microbubble

Key to the CFS success is microbubble technology which provides a predictable and controlled foam. Only CFS confines and controls the foam for accurate and repeatable results.



The Controls

Blending, foam delivery and application are managed by latest PLC, digital drives, control software and color touch screens. Preloaded recipe for standard applications are included. Additional process recipes are configurable. Factory 4.0 and IOT diagnostic capabilities.



The Applicator

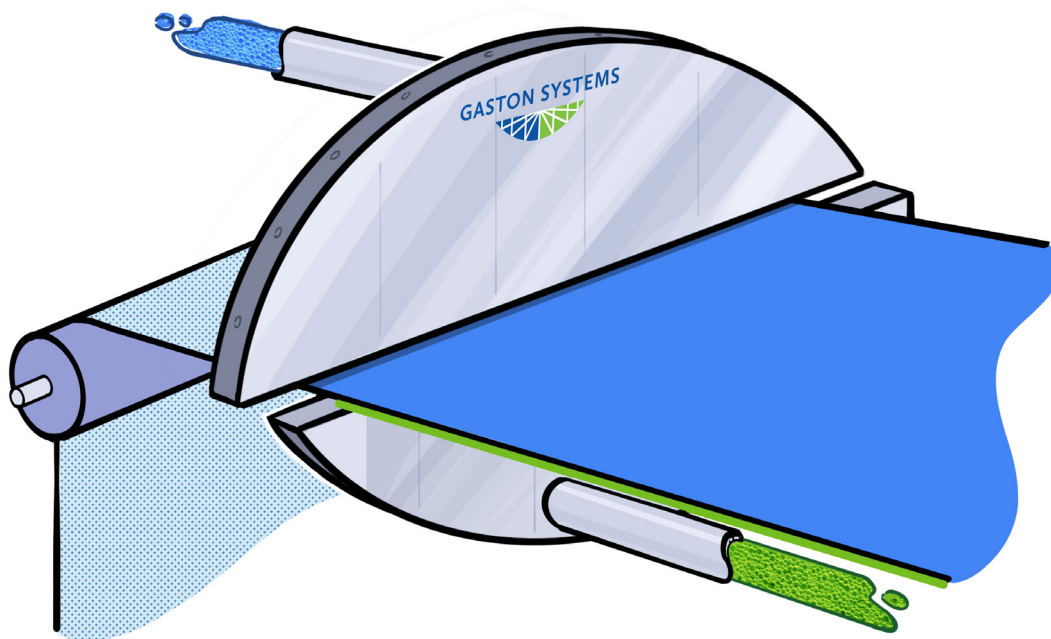
Foam is applied under pressure onto or into the substrate. A unique parabolic applicator ensures uniform chemistry across the width without streaks. This technology permits precise control of chemical penetration.



The Foam Generator

The Foam Generator provides foam at the correct mixture and density (up to 100:1 blow ratio). Optional injection system provides addition of additional chemicals or dyes.





FUNCTIONAL Products:

Advanced systems for the textile and non-woven industries used for coating, finishing, dyeing, and producing new fashion styling on open width fabrics, nonwovens, and other substrates.

APPLICATIONS:

Chemicals can be applied from any direction to one or both sides of the substrate. Different chemistry can be applied simultaneously with multiple applicators:

- Dyes
- Resins
- Water repellents
- Fluoro chemicals
- Anti-slip coatings
- Hydrophilic agents
- Hydrophobic agents
- Antistatic coatings

Founded in 1979, Gaston System has more than 500 installations worldwide and an international reputation for high quality and innovative technologies. In 2022 Gaston Systems joined the Navis TubeTex group of brands.

Resins

**Softeners
and
Lubricants**

**Weighters
/ Binders**

Dyeing

RESULTS

5%

At speeds beyond 900 meters /min.

Chemical Foam Solutions achieves exact, uniform application of chemicals at wet pickup levels as low as 5% and speeds beyond 900 meters /min.

GASTON SYSTEMS



info@gastonsystems.com
+1 (704) 263-6000

A Navis Tubetex Brand
200 South Main Street
Stanley, NC 28164