

THEN-AIRFLOW®
LOTUS



THEN-AIRFLOW® technology meets longtube design for superior dyeing results at lowest liquor ratio. Truly exceptional fabric quality and significant savings in water, power, steam.

STRONG ON QUALITY AND ECONOMY – SENSITIVE IN TREATMENT.

THE LOTUS with AIRFLOW® technology combines the advantages of long tube application with the efficiency of the aerodynamic principle. The result: outstanding quality with minimum water consumption.

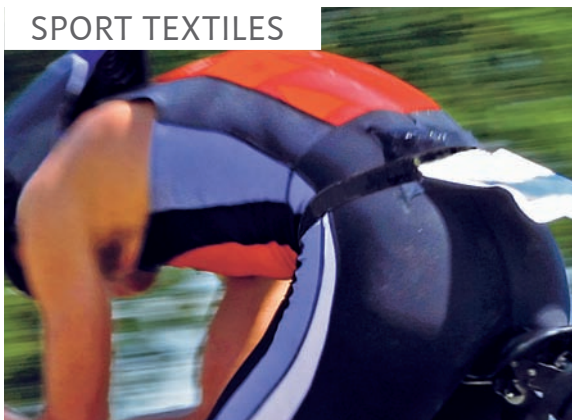
LINGERIE



TECHNICAL TEXTILES



SPORT TEXTILES



AUTOMOTIVE



EXTREME

LOTUS unites all the sensitive articles, no matter if cellulose, man-made or blends. The unique combination between long-tube treatment and AIRFLOW® technology is the best match for all articles, so far limited to beam dyeing.

COMPETITIVE

LOTUS ensures that demanding quality standards and infinite reproducibility are now within the realm of resource-saving AIRFLOW® technology, based on the principle that fabric transport is effected by air only and thus no dye liquor is needed for transport.

GENTLE

LOTUS handles your lightweight and delicate fabrics in finest yarn counts and gauges with care – pushing your limits farther. Knits and woven fabrics from light up to medium weight and virtually any fibre or blend can be processed.

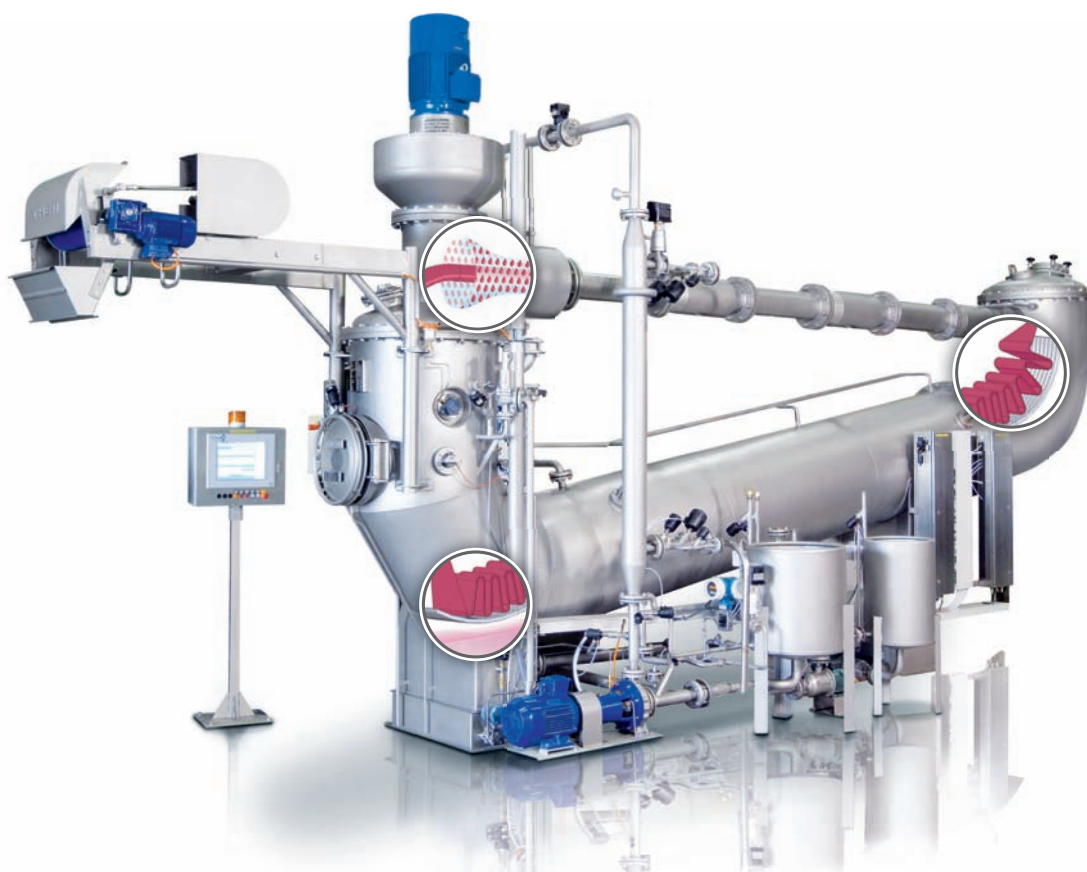
INNOVATIVE

LOTUS offers the versatility that inspires innovative textile solutions, meeting top-grade quality standards and achieving significant savings of precious water and heating energy resources and thus a big step towards Green Innovation.

THEN-AIRFLOW® LOTUS



NEW STANDARD for Efficient and Ecological Dyehouse Solutions.



AIRFLOW® TECHNOLOGY

THEN-AIRFLOW® LOTUS is the world's first long-tube to operate according to the original aerodynamic principle machine. It has transgressed the traditional boundaries of jet piece dyeing, enabling even extremely sensitive fabrics hitherto confined to beam dyeing to be processed with dramatically improved productivity and economy.



FIRST CHOICE

Newly designed dome blower assures that the fabric is transported just by air.

This means you actually use liquor what it is meant for: only dyeing. Think big-time: savings of up to 80% of liquor versus outdated hydraulic machines. Shortest cycle times allow high daily production rates.



SMOOTH TREATMENT

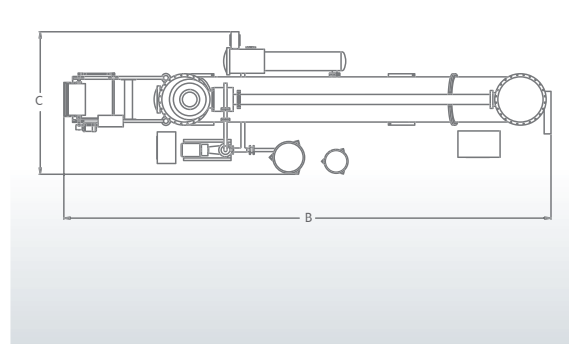
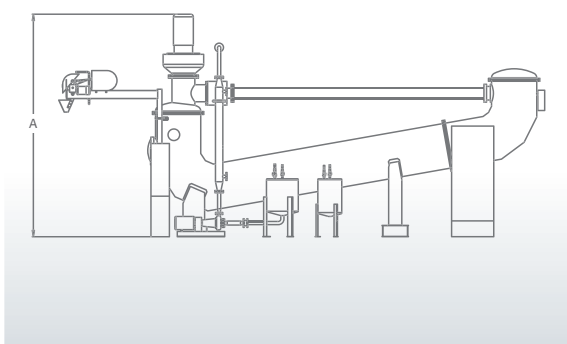
Long tube design, excellent fabric displacement and gentle PTFE bottom rods form the success of smooth treatment meeting highest quality demands. Loadings of up to 1,200 m with light fabrics and up to 200 kg for average articles per chamber.



WATER SAVING

The dye liquor passes the self-cleaning filter and is then applied evenly and finely distributed as a mist with the aid of the blower, assuring outstanding penetration. The liquor ratio is reduced to 1:2–1:4 and provides savings of water and water treatment, chemicals and energy costs.

MODELS AND TECHNICAL SPECIFICATIONS



| THEN-AIRFLOW [®] LOTUS | LTS 200 | LTS 400 | LTS 600 | LTS 800 |
|---------------------------------|---------|---------|---------|---------|
| Max. capacity [kg] | 200 | 400 | 600 | 800 |
| Dimension A [mm] | 4350 | 4350 | 4350 | 4350 |
| Dimension B [mm] | 9500 | 9500 | 9500 | 9500 |
| Dimension C [mm] | 2750 | 4050 | 5400 | 6650 |

Operating temperature: max. 140 °C at 3 bar overpressure.

Liquor carrying parts in special steel, material no. 1.4571 / 1.4404 (AISI 316 Ti / 316 L).

FONG'S EUROPE GmbH reserves the right to make design changes, the quoted dimensions are non-binding.

As a member of FONG'S Industries Group, the world's largest supplier of piece and yarn dyeing equipment, continuous washing ranges and other finishing equipment, we always strictly pursue the goal of achieving permanent further development of all our products towards best quality, minimum water consumption and a sustainable reduction in environmental impact.



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