

THEN HST

# HT BEAM DYEING



Globally proven design for the efficient and perfect bleaching and dyeing of weaves and open knits.

# HIGHLY VERSATILE AND ECONOMIC

THE THEN HST beam dyeing system is the cost-efficient answer to the dyeing of large quantities of wide fabrics. The danger of creasing is ruled out due to the fact that the material is always processed with a full width.

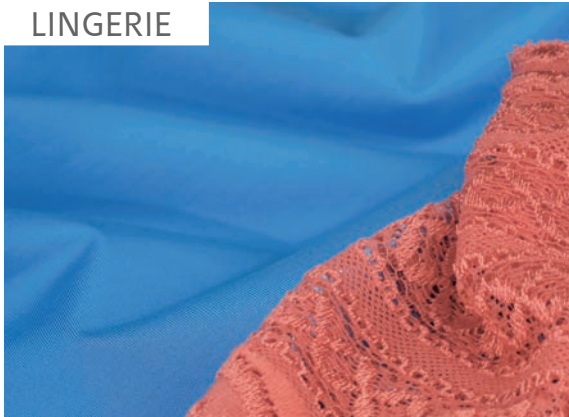
BODYWEAR



LINING



LINGERIE



SPORT TEXTILES



## GENTLE

HST handles your lightweight and delicate fabrics with care. Knits and woven fabrics from light up to medium weight and virtually any fibre or blend can be processed.

The automatic pressure regulation ensures protective pump running, especially with regard to high-elastic knits with relatively low elastane content.

## EFFICIENT

In the case of the THEN HST, ecology and economy are far more than mere buzzwords. Indeed, a range of supplementary devices is available in order to raise the system's efficiency still farther.

## WIDESPREAD

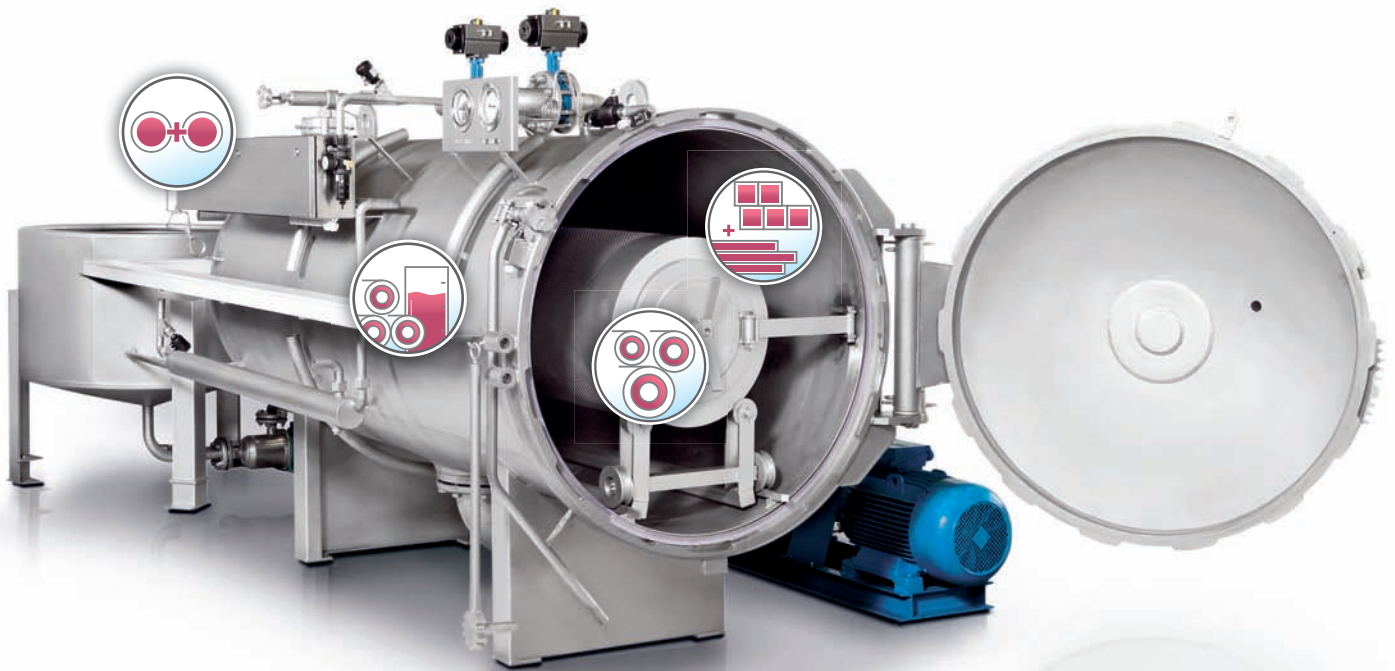
The range of applications is as large as the quantities processed. On the one hand, THEN HST can handle warp crochet knits for automotive textiles and, on the other, has no problems with webs, which are processed into light linings, interlinings and thick felts.

## COMPETITIVE

THEN HST shorten the consumption of water, energy and processing chemicals significantly due to the modular design, the versatile and unique technology and its various features. Whatever tomorrow's task will be THEN HST is the innovative answer.

# BEAM DYEING MACHINE THEN HST

THE GLOBALLY PROVEN system design for very demanding and sensitive fabrics.



## HIGHLY VERSATILE

The THEN HST represents a highly versatile and cost-efficient system for the dyeing of large quantities of standard and special items. It can be supplied with either an axial reversible pump for knits and permeable weaves, or a centrifugal pump for dense woven fabrics. A regulator or a frequency-controlled motor adjust the liquor pressure and volume to match the respective product type and quantity.



## SPECIAL LAYOUT

The liquor pressure and quantity are adjusted to the respective type and quantity of fabric. The special layout of the circuit ensures constant and safe deaeration of the machine. Optional flow meter and differential pressure measurement and control can be employed to secure dyeing process quality and optimisation.



## VARIOUS BEAMS

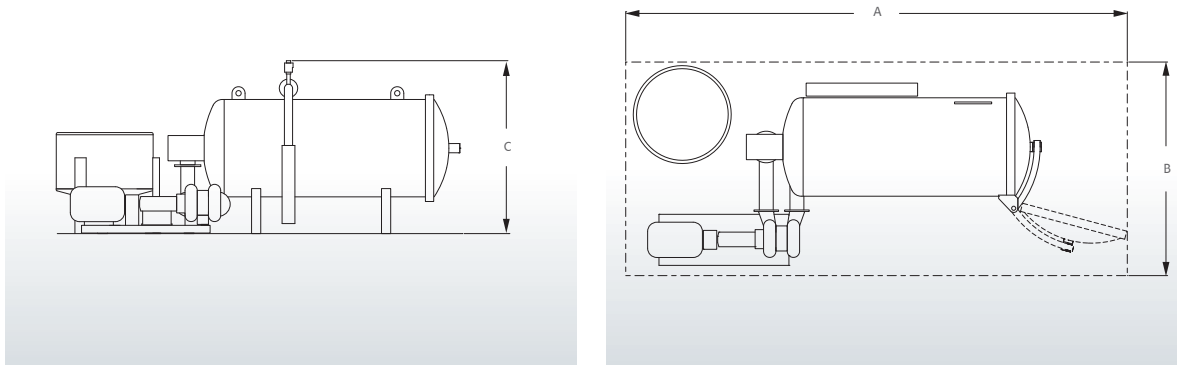
Various beam diameters are available, depending on the type of fabric involved. Several beams are arranged in line within the machine for the dyeing of fabrics with narrower widths. The mobile carrier inside the dyeing autoclave can accommodate differing beam diameters.



## MODULAR

A closed expansion tank can be fitted on top of the dyeing kier to reduce cooling water and heating energy consumption. The coupling of two machines of the same size serves to assure the quality of very large batch dyeing. Liquor circulation in line with the product type using either an axial flow or high-performance centrifugal pump.

# MODELS AND TECHNICAL SPECIFICATIONS



Modell (Ø/Length)	A [MM]	B [MM]	C [MM]
HST 90/18	4150	1700	1650
HST 90/35	6060	7300	1650
HST 105/18	4950	1850	1750
HST 105/35	6950	2000	1750
HST 130/18	5750	2250	2050
HST 130/35	7400	2250	2050
HST 155/18	6050	2650	2400
HST 155/35	8450	2950	2400

Operating temperature: max. 140 °C at 4.5 bar overpressure.

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

\* Dimension C: Dimension varies according to different options of tank size.

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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