

THEN-AIRFLOW®

# SYNERGY G2



The 2<sup>nd</sup> Generation—with significant increase in loading resulting in the highest productivity and the ability to process the widest range of fabrics.

# ONGOING DEVELOPMENT FORMS A MAJOR ELEMENT IN OUR CORPORATE PHILOSOPHY.

THE SYNERGY G2 is based on the tried and tested technology of the successful THEN-AIRFLOW® system. Accordingly, the use of proven advantages and the creation of additional innovative features has resulted in our best ever piece dyeing machine.

COTTON



SYNTHETIC



CELLULOSIC



ELASTIC



## THE BEST THEN-AIRFLOW®

The SYNERGY G2 dyeing machine which apart from a high load per strand also provides further sizeable reductions in water and energy consumption. In other words, it is a top product from both a cost-efficiency and ecological standpoint.

The SYNERGY G2 further reduces water consumption by 20 % and at the same time provides corresponding energy savings. No other piece dyeing machine on the market can successfully and economically dye such a wide range of fabrics.

## NO LIMITS

Knits and woven fabrics from light up to heavy weight and virtually any fibre or fibre blend can be bleached and dyed without machine modifications or changes. The modular system of the THEN-AIRFLOW® SYNERGY allows tailor made machine configurations, which guarantees maximum efficiency.

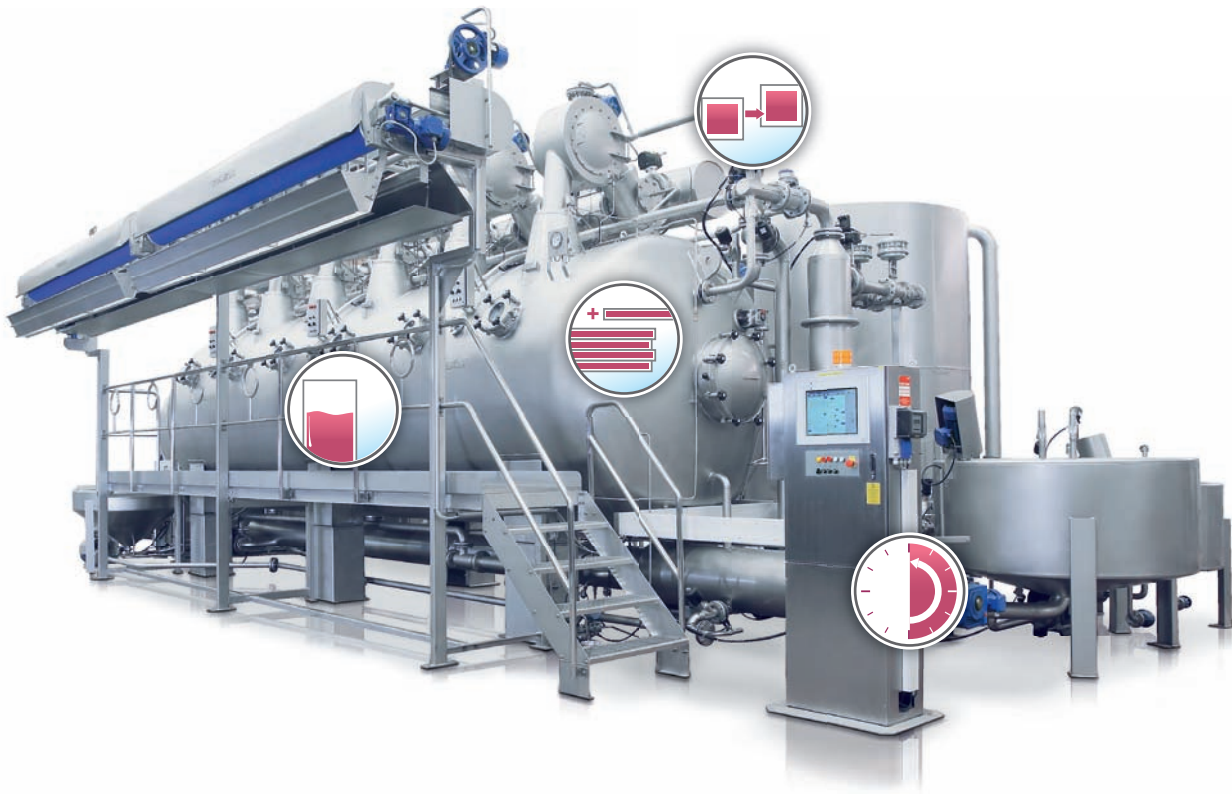
## LET THE AIR FLOW

The patented aerodynamic system is based on the principle that the fabric transport is effected by air only, which means that as opposed to a hydraulic dyeing machine, no dye liquor or aqueous medium is required to transport the fabric.

# THEN-AIRFLOW<sup>®</sup> SYNERGY G2



AERODYNAMIC High Temperature Piece Dyeing Machine.



## VARIABLE LOADING

Increased load sizes for both heavy weight and light weight fabrics combined with best running conditions are achieved by the variable loading chamber.



## PROCESS TIME REDUCTION

The SYNERGY G2 slashes the process time, which is seen as a cost-efficiency benchmark, to record-breaking low values.



## SHORTER LIQUOR RATIO

In tandem with an unaltered basic design, the increased payload of the SYNERGY G2 results in another marked reduction in the nominal liquor ratio.

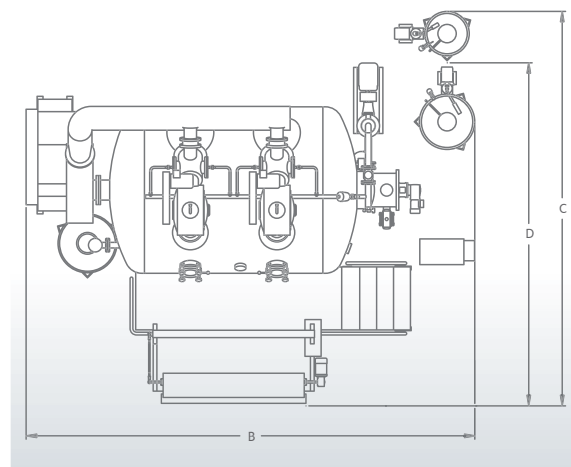
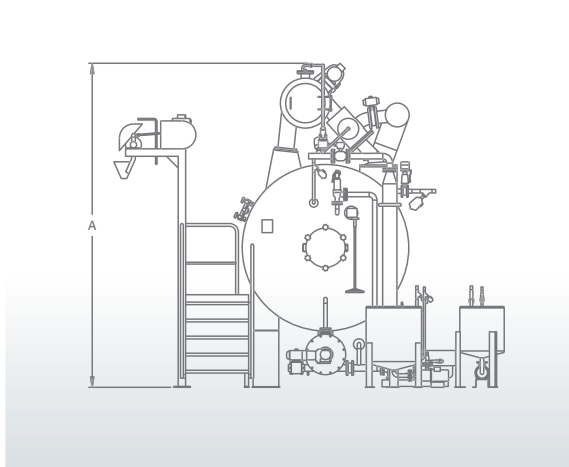


## EXACT REPRODUCIBILITY

The SYNERGY G2 furnishes unsurpassed reproducibility and "right first time" dyeing rates of up to 98 %.



# MODELS AND TECHNICAL SPECIFICATIONS



THEN-AIRFLOW <sup>®</sup> SYNERGY G2	SMALL-MEDIUM BATCH		300KG SERIES				
SYN G2	60	150	300	600	900	1200	1800
Max. capacity [kg]	60	150	300	600	900	1200	1800
Dimension A [mm]	3900	3950	4500	4500	4500	4500	4500
Dimension B [mm]	4250	4600	5000	6250	8150	9700	13000
Dimension C [mm]	—*	—*	5200	5550	5900	5900	6100
Dimension D [mm]	—*	—*	4800	4850	5000	5000	5200

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).

\* 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.



## FONG'S NATIONAL ENGINEERING CO., LTD.

8/F., 22-28 Cheung Tat Road, Tsing Yi, Hong Kong  
Phone +852 2497 3300 | Fax +852 2432 2552  
E-mail: enquiry@fongs.com | www.fongs.com

## FONG'S EUROPE GMBH

Milchgrundstraße 32, 74523 Schwäbisch Hall, Germany  
Phone +49 (0) 791 403 0 | Fax +49 (0) 791 403 166  
E-Mail: info@fongs.eu | www.fongs.eu

## THEN MASCHINEN (HK) LIMITED

8/F., 22-28 Cheung Tat Road, Tsing Yi, Hong Kong  
Phone +852 2495 3971 | Fax +852 2495 3972  
E-mail: info@then-hk.com | www.then-hk.com