

XO SMART



## XO SMART The basic XORELLA solution

Vacuum Conditioning and Heat Setting Machine



XO **XORELLA**

## The cylindrical machine for all low temperature applications

Founded 1967 in Switzerland, XORELLA was acquired by the CHTC Fong's Group in 2002. Since this acquisition until today all XORELLA machines have been produced at the manufacturing facilities of the CHTC Fong's Group in Shenzhen, China, using only technical components of highest quality from European suppliers. The conditioning and heat-setting machines of XORELLA which are actually available in our product portfolio are based on 50 years of continuous research and development with a key focus on permanently increasing the productivity of our XORELLA machines while saving energy and precious resources – all this for the economical and ecological advantage of our customers.

Within the CHTC Fong's Group all sales and after sales services including spare parts supply as well as the R&D activities of XORELLA are performed by FONG'S EUROPE GMBH for all worldwide markets, except China which is looked after by XORELLA (HK) Ltd.

The XO SMART is the economical solution for all low temperature applications up to 95°C. With its diameter of 1800 mm it is available in 4 different lengths to cater capacities from 400 kg to 1200 kg

per batch. Available options include electric, steam and combined heating and various systems for manual and semi-automatic loading. The XO SMART can be installed in a pit or on floor level.

Designed for quick installation and commissioning and reliable operation the XO SMART quickly captured its market share after its launch and is meanwhile used by satisfied customers around the world.

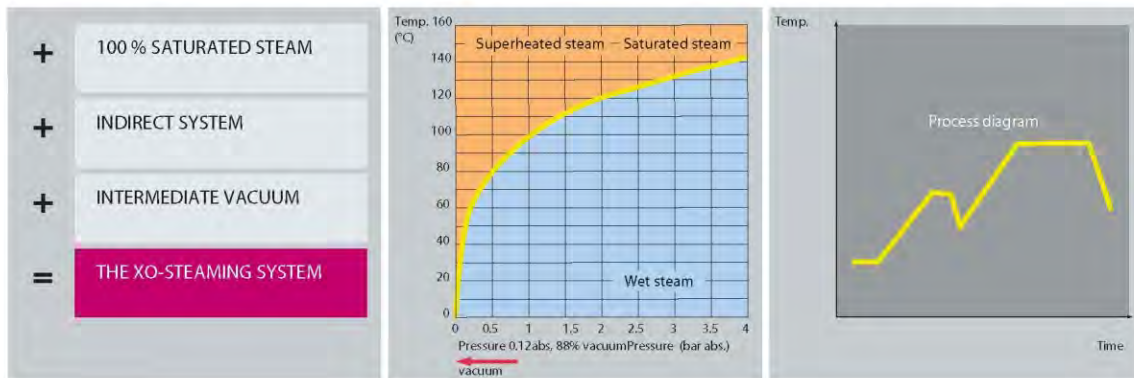
All XORELLA machines incorporate the following well-known features:

- Energy saving XO-Steam system
- Key components of uncompromised quality
- Vessel and piping of world-class stainless steel
- Two-stage high performance liquid ring vacuum pump or waterless vacuum system XO EcoPac
- Internationally renowned brand of controller
- Various loading options available

Like all XORELLA products the XO SMART series has its roots in Swiss technology, reliability and precision.



# The key to perfect treatment – the XO-Steaming System



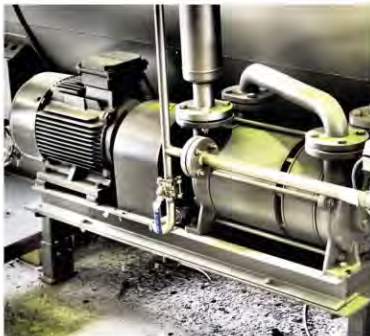
The XORELLA process for vacuum steaming of textiles uses 100% saturated steam, produced by an indirect system and the renowned intermediate vacuum procedure. This combination guarantees even treatment and assures the correctness of the process.

We measure the absolute pressure inside the vessel and don't use a relative vacuum to ensure 100% saturated steam and identical conditions from batch to batch eliminating the influence of atmospheric pressure.

Steam is created at low temperature under vacuum conditions for gentle treatment and perfect control of the temperature during each cycle.

With the intermediate vacuum procedure (min. 2 vacuum cycles) 100% penetration is ensured at saturated steam conditions. Vacuum of 100 mbar or less as recommended by other manufacturers is not necessary. This method saves energy and achieves perfect results.

## XO Vacuum Systems



Water ring pump

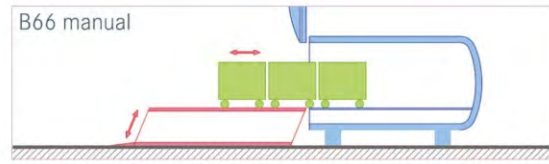
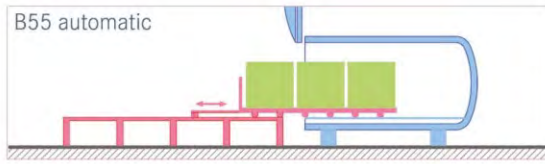
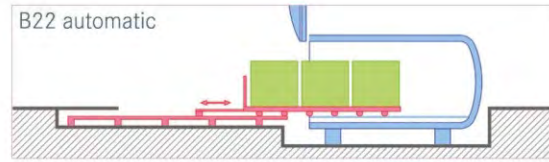
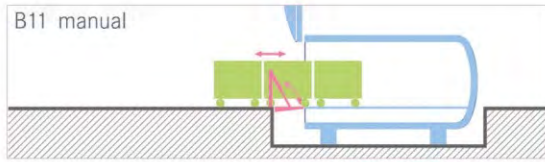


XO EcoPac

Reliable two stage liquid ring vacuum pumps have been used as standard equipment for XORELLA conditioning and heat-setting machines from the very beginning. Only with two stage pumps vacuum values for conditioning of waxed yarns at temperatures of 60°C or even less can be reached even with higher cooling water temperatures. This is not possible with single stage pumps due to lower compression ratio.

XORELLA has always been a pioneer in saving energy and resources. Therefore the waterless vacuum system XO EcoPac was introduced as an option.

It features up to 60% less installed power thus also consuming less energy compared to the standard liquid ring pump. No cooling water at all is required. This saves precious resources and also eliminates piping for water supply and drainage. XO EcoPac guarantees shortest cycle time by high suction efficiency independent of cooling water temperature. Once again XORELLA proves its cutting edge in conditioning and heat-setting technology.



## Technical Data

	Machine				Loading system			
	Capacity / Batch kg	Capacity / Day tons	Usable length mm	Space requirements meter	B11 – Flap gate (with foundation)	B22 – Auto platform (with foundation)	B55 – Auto platform (no foundation)	B66 – Lifting platform (no foundation)
XO Smart 400	400	8,5	1600	W x L 3 x 4 (B11)	•	-	-	•
XO Smart 600	600	13	2400	W x L 3 x 4,6 (B11)	•	•	•	•
XO Smart 800	800	17	3200	W x L 3 x 10,5 (B22)	•	•	•	•
XO Smart 1200	1200	26	4800	W x L 3 x 13,5 (B22)	•	•	•	•

All technical data and information are subject to change.

# XORELLA

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