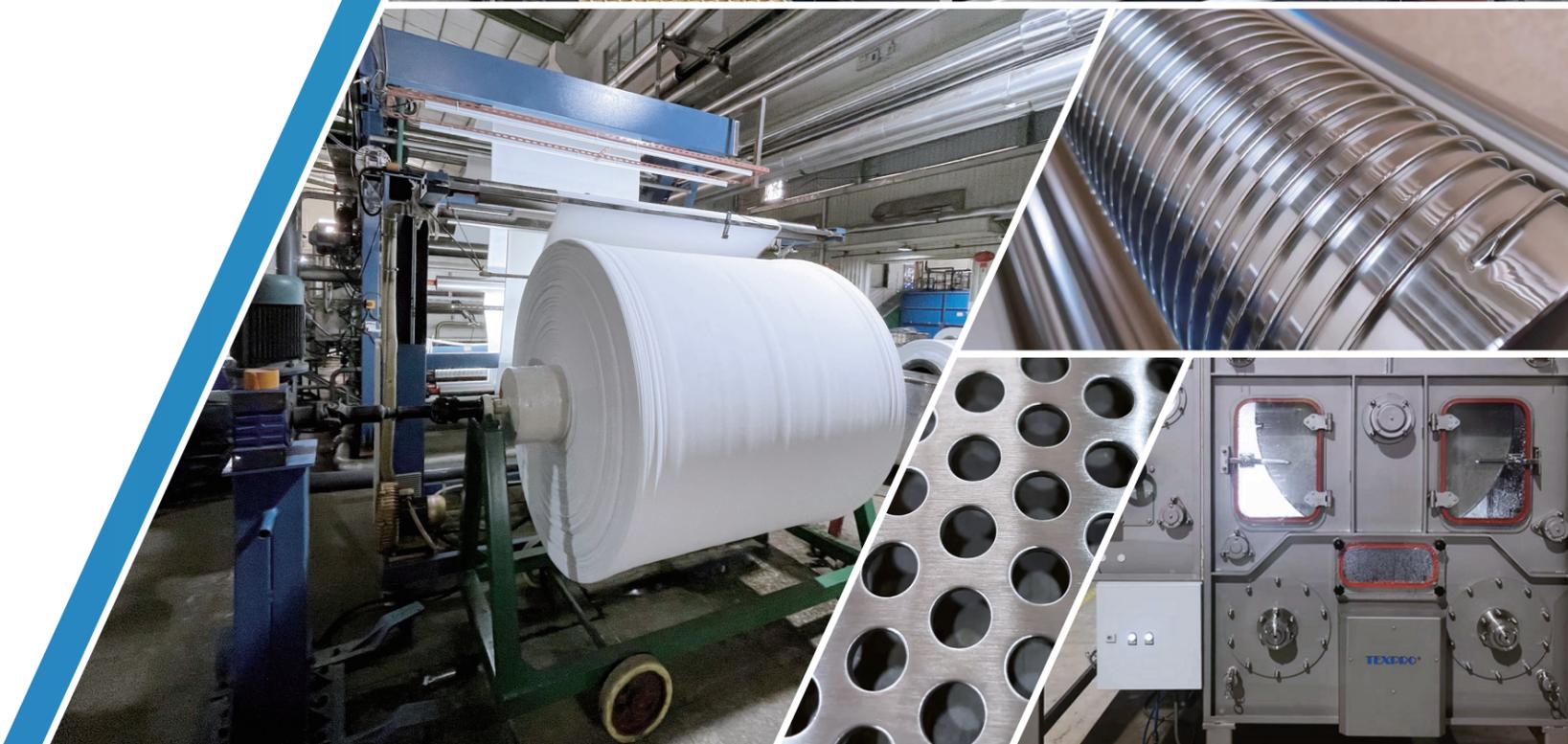
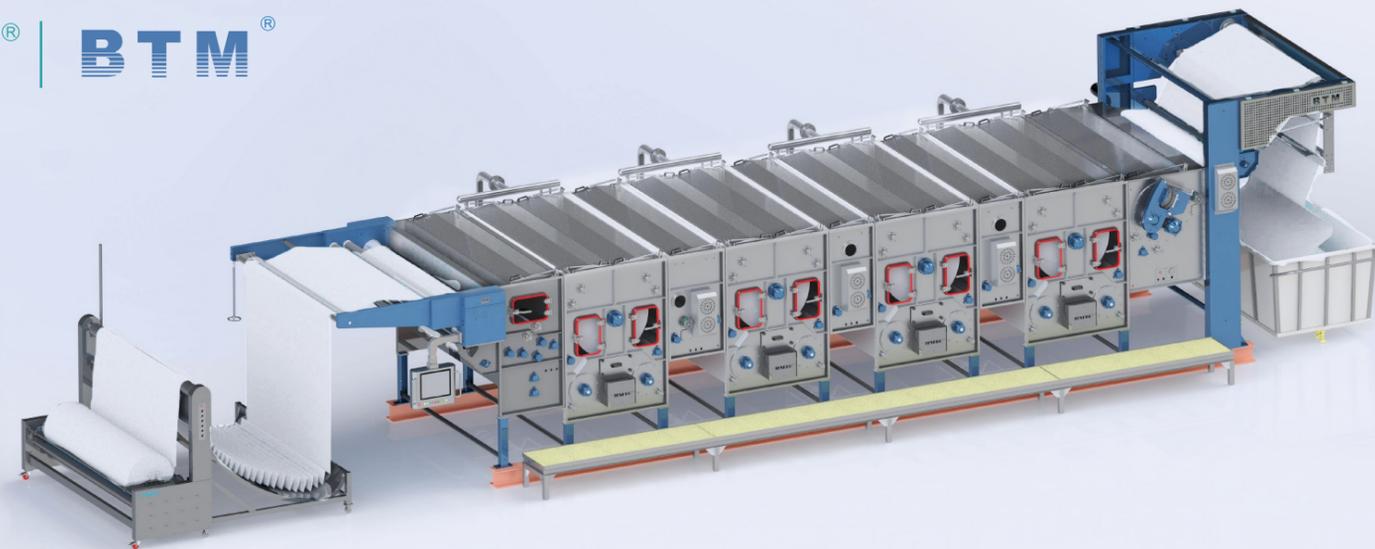


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## 平幅喷涌式除油水洗机

OPEN-WIDTH SPUN-OIL WASHING RANGE  
FOR KNITTED SYNTHETIC FABRIC

TKW668 系列

-  **除油均匀**  
Uniform oil removal
-  **低织物拉伸**  
Minimum fabric elongation
-  **低能耗**  
Lowest utility consumptions
-  **消除纤维内应力**  
Relieving internal fiber stress

三技TKW668 系列除油水洗机是一款专门针对针织化纤类织物设计的除油水洗设备。该设备结合了先进的喷涌水洗技术及高效油污过滤系统,整机高同步化与低张力设计的同时,为织物提供全面、高效的除油水洗作业。

TKW668是一种高效、节能、智能的设备,本设主要用于涤纶、涤氨、锦纶、锦氨、棉氨等各类化纤面料的去油、平整、缩码水工艺。它采用喷涌式逆流技术多道过滤系统,能够有效去除油污,可以解决高要求的克重缩水标准以及重油去除不净的问题。

设备主要采用自主研发的Niagara(尼亚加拉)转鼓式水洗箱体,并利用双瀑布槽回流设计与转盘式自动滤油装置,高效而低能耗地把油污去除掉。

TKW668定制机型的水洗能力配置中,各种行机参数可自由组合。而其模块化的箱体机构概念结合逆流水洗、蒸汽密封和水密封设计,赋予整机先进的自动化流程编排可能性。简明的触摸屏人机互动系统,控制并监测着水电气的能耗,并使得生产成本透明化并可连接至工业管理平台,工艺研发和工厂管理更为便利。

TKW668 series spun oil washing range is a special de-oiling washing equipment designed for knitted synthetic fabrics. The equipment combines advanced turbulence washing technology with an efficient filtration system, using skimming technology for highest efficiency spun oil washing process.

TKW668 series is mainly used for polyester, polyamide, cellulose and their blends with elastic fibers for oil removal, flattening and pre-shrinkage washing processes.

The Niagara drum washing compartments use a dual waterfall principle in combination with an integrated skimming filter to effectively remove the oil.

The advanced system provides full transparency over the unit cost by utility consumption measurement of water, steam, chemicals and electricity. Connectivity to ERP, SCADA or similar industrial cloud platforms is possible.

# 针织平幅除油水洗机

OPEN-WIDTH SPUN-OIL WASHING RANGE FOR KNITTED SYNTHETIC FABRIC



## 低张力驱动系统

配置灵敏的张力检测装置，低摩擦力轴承，大直径水洗转鼓及高同步化驱动，使得整机低张力驱动完美实现。

## LOW TENSION DRIVE SYSTEM

Equipped with high sensitivity load cells, low friction bearings and driven immersion rollers for low tension operation.



## pH 调节装置

实时监测并闭环调整箱体液体的pH值。

## pH REGULATION DEVICE

Real-time monitoring and adjustment of pH with closed loop system.

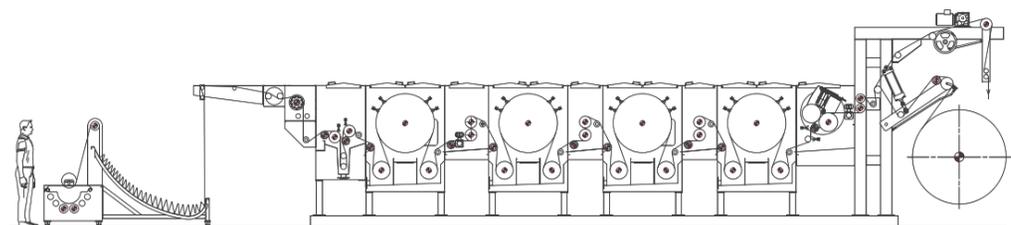
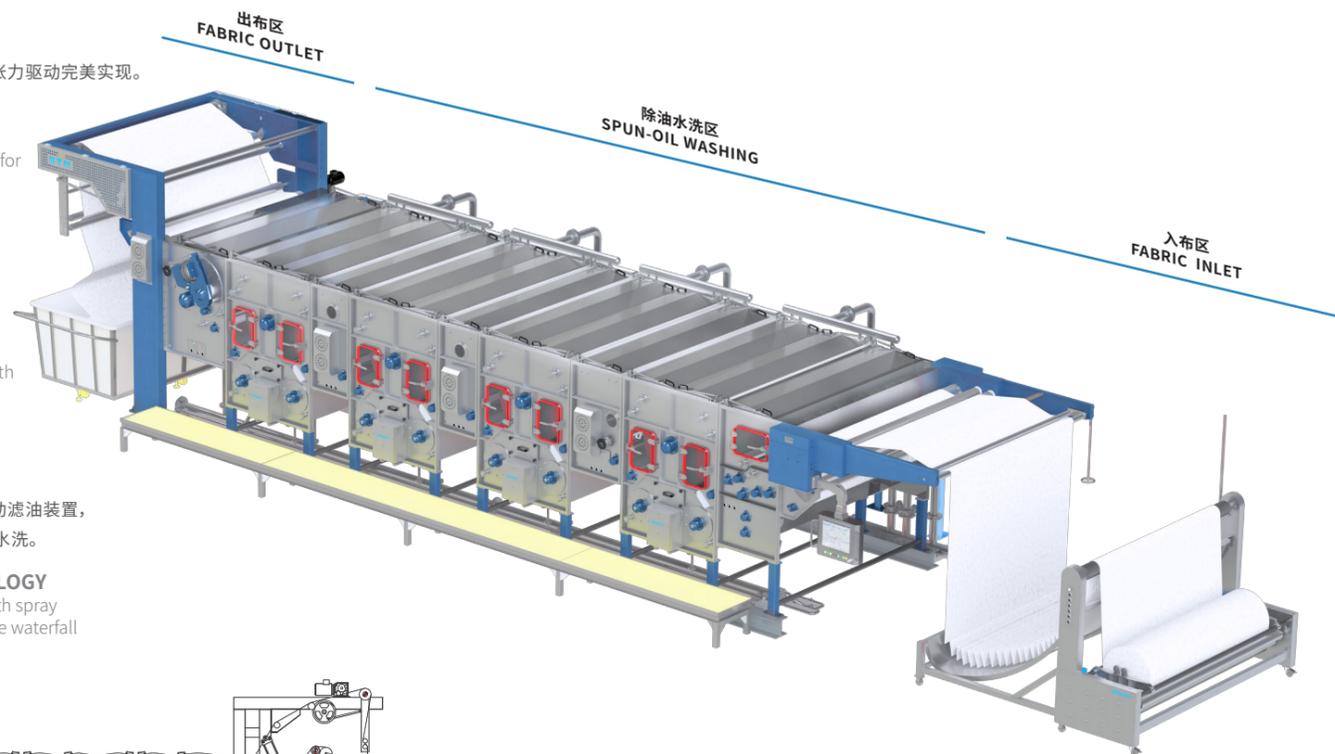


## 高效水洗技术

配置强力喷淋、双瀑布槽回流设计与转盘式自动滤油装置，在Niagara密封水洗箱中对织物进行高效除油水洗。

## HIGH EFFICIENCY WASHING TECHNOLOGY

High performance liquor circulation system with spray bars and feeding pipes for intensification of the waterfall washing principle.



结构示意图

● MACHINE DIAGRAM

## 独立整机

TKW668

## 联动单元

TKW668-S

(定形机前置)

TKW668系列设备采用独特的Niagara(尼亚加拉)专利设计，配备高效喷洗，浸没式湍流洗涤功能，织物表面的油污得到乳化并冲洗下来。Niagara(尼亚加拉)水洗箱包含多级过滤器和高效油污去除系统，可有效去除洗涤液中的残留物，防止油污重新反粘到面料上。

该系列整机独立运行或是与定形机联动运行设计均可，其智能化控制程度高，运行张力低，适应面料性广。在降低布面拉伸的前提下，具备卓越而均匀的除油效果。

# 针织平幅除油水洗联动单元

OPEN-WIDTH SPUN-OIL WASHING UNITS FOR KNITTED SYNTHETIC FABRIC



## 高效可调节压力轧车

轧车压力可调节以适应不同布种，左中右均匀性高。

## HIGH EFFICIENCY ADJUSTABLE SQUEEZER

Adjustable squeezing pressure for even pressure uniformity (left, middle and right) and maximum de-watering effect.



## 自动注水注料

配备自动注料系统，精准且自动注入水与化学助剂。配备流量计及比例阀，注水注料信息可视化。

## WATER AND CHEMICAL DOSING

Accurately and automatically controls the water inlet according to the production requirements, reducing utility consumptions.

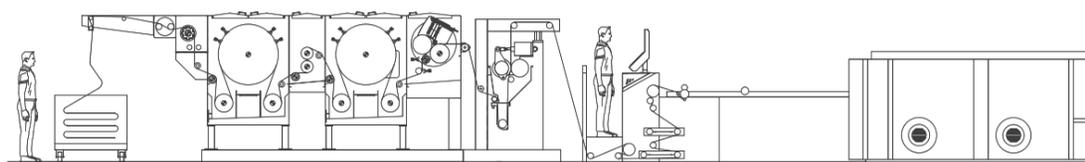
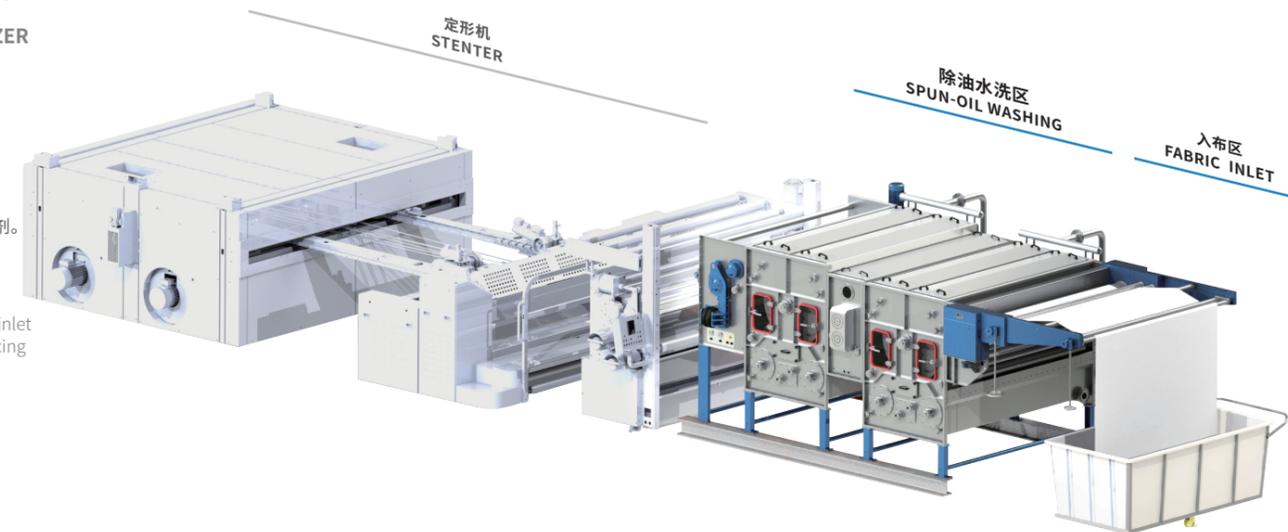


## 全自动旋转筛网式过滤器

自动控制清洁频率及除油，使用循环水为清洁用水，不消耗新鲜水。

## INTEGRATED SKIMMING FILTER

Fully automatic rotary mesh filter with level controlled cleaning frequency. Designed for efficient oil skimming and easy maintenance.



结构示意图

● MACHINE DIAGRAM

## STAND ALONE MACHINE

TKW668

## INTEGRATED MACHINE

TKW668-S

(in heat setting stenter)

High efficiency spray washing, the submerged turbulence washing effect can effectively emulsify the oil on the surface of the fabric before washing off, ensuring uniform production quality without causing damage to the fabric. TKW668 series abandons the traditional washing implementing the unique Niagara washing method to achieve best spun oil removal and minimum elongation.

The equipment is containing multistage filters and impurity removal system for effective residue removal from washing liquor, preventing redepositing of oil onto the fabric.