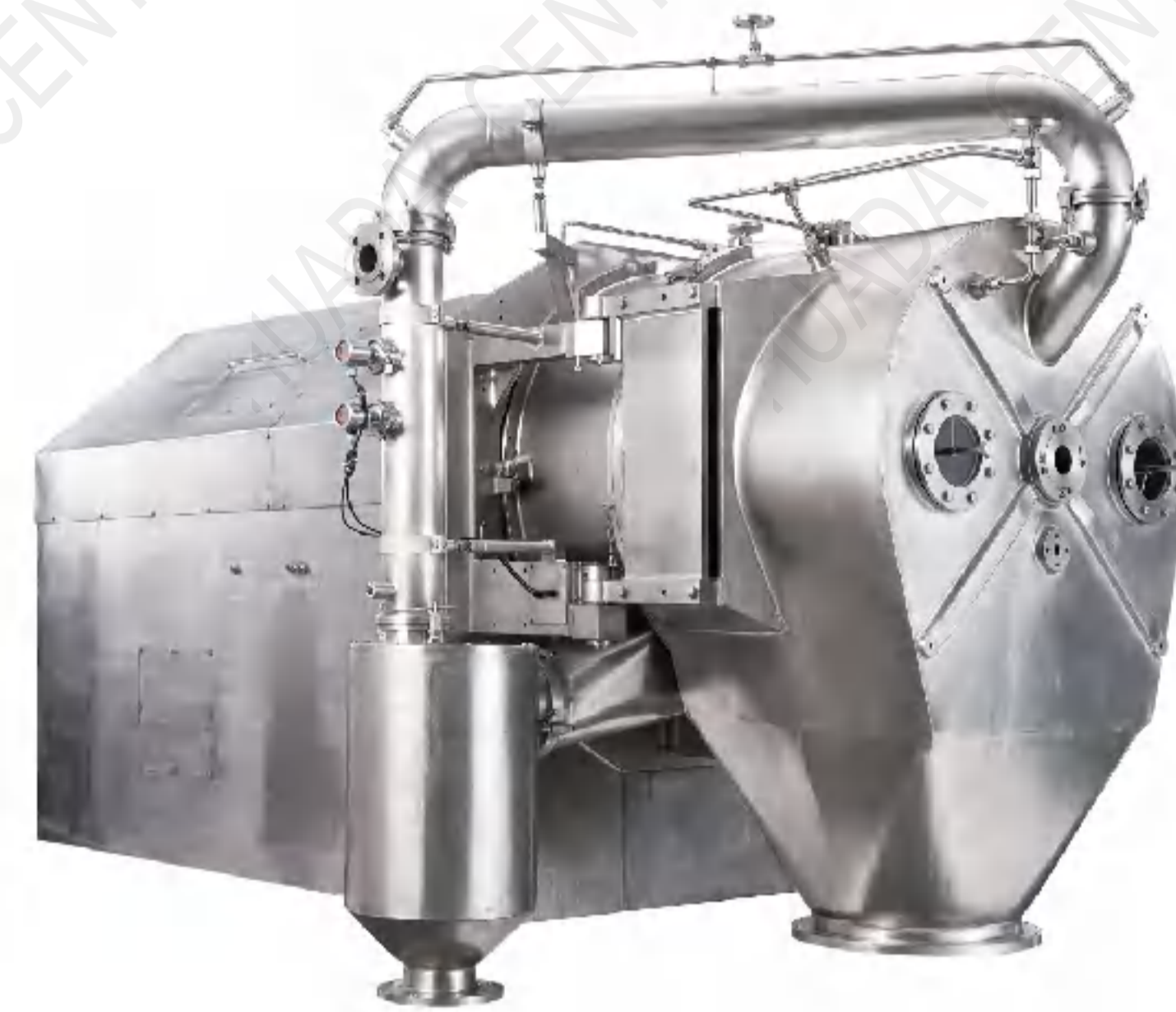


## FW系列-翻袋全自动离心机 FW SERIES - AUTOMATIC INVERTING FILTER CENTRIFUGE

FW型翻袋式过滤离心机是一种全新型、高性能、自动卸料、间歇操作的精密离心过滤设备，符合药品生产GMP规范，可实现CIP在位清洗、浸泡清洗、消毒。卸料方式对滤饼颗粒无刮削、挤压等作用，有利于保持滤饼颗粒形状。滤布能得到良好的清洗和再生，无残余滤饼层影响下次过滤，对极难过滤的物料有极强的应用价值。适用于医药、化工、食品等行业的过滤分离。

FW inverting filter centrifuge is a new type of precise centrifugal filtering equipment featuring automatic discharge, intermittent operation and high performance, which complies with the GMP standards for pharmaceutical production and can realize CIP in-position cleaning, soaking & cleaning and disinfection. As no scrapping or squeezing force is applied on the cake particles during discharging, shapes of these particles can be reasonably maintained. This product is highly applicable to those materials that are extremely difficult to be filtered, as the filter cloth can be properly washed and regenerated, leaving no residual cake layers that affect the filtration next time. It is applicable to the filtration and separation of materials in the pharmaceutical production, food production, chemical engineering and other industries.



### 产品优势 PRODUCT ADVANTAGES



可实现2-10mm薄滤饼层过滤分离。  
单位面积过滤产量高，每循环周期过滤质量和洗涤质量稳定。  
翻袋离心机批次与批次之间，滤袋可在离心机内部实现浸泡打浆洗涤，实现在线式滤布再生。

Filtering and separation of 2mm-10mm cake layers are available.  
Filtration yield per unit area is high and filtration and washing quality per cycle is stable.  
Between different batches, soaking, beating and washing of the filter bags can be realized inside the centrifuge to regenerate the filter cloth online.

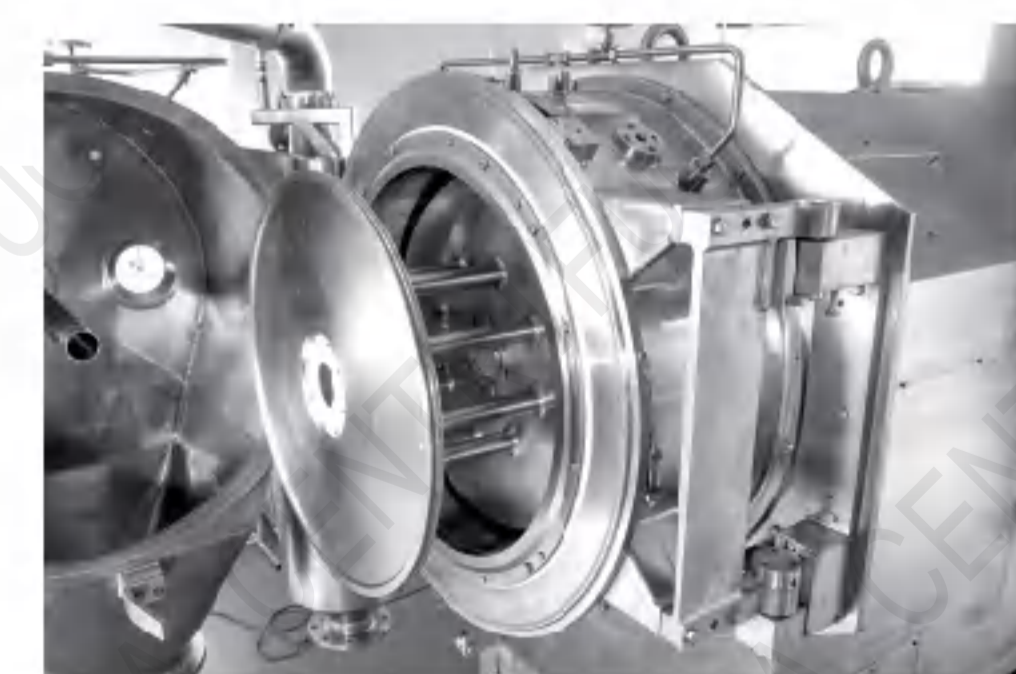
满足穿墙式安装设计，符合洁净生产要求。  
全自动化控制，科技含量高，精度要求高，运行平稳。

It is designed to meet the requirements for through-wall installation and clean production. Automatic control, high technology and high accuracy requirements, and stable operation.



全封闭结构，密封性好，工作内腔小，有效降低氮气消耗。  
有效避免物料交叉污染，满足GMP规范和高卫生要求。

Enclosed and well-sealed structure and small working cavity are designed to effectively reduce nitrogen consumption.  
It can effectively avoid cross contamination of materials and meet the GMP standards and high requirements for sanitation.



门盖结构全翻设计，便于清洗和维护。  
独特翻袋结构，滤饼不宜结板。  
翻袋离心机与卧式全自动离心机相比，可实现滤饼全回收、无残留。  
晶粒不易破损。

Flip design is adopted for the door structure for easier cleaning and maintenance.  
Special bag-inverting structure is designed to prevent the cake from clotting.  
Compared to the horizontal automatic centrifuge, the inverting centrifuge is able to realize 100% recovery of the cakes, without residues.  
Grains are less prone to damage.

中心进料方式，进料过程密闭性高，离心机分离中气流对布料影响小。

Materials are fed from the central position to ensure airtightness and reduce the impact of the airflow on the cloth during separation.



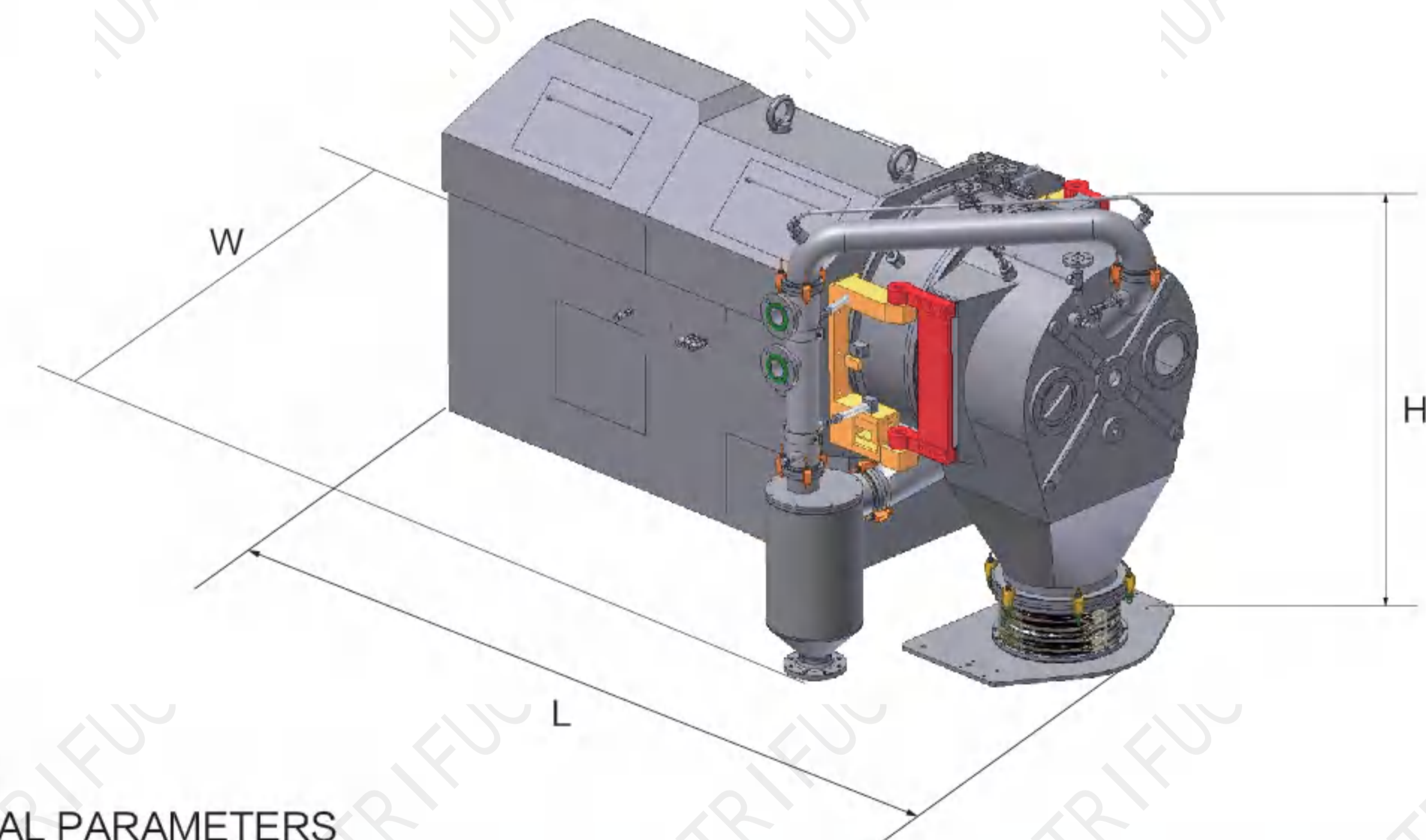
### 工作流程 WORKING PROCESS



### 工作原理 WORKING PRINCIPLE

转鼓在中低速运行，物料通过进料管进入转鼓内，在离心力作用下，物料被均匀分布在转鼓内滤布上，液相经滤布孔隙、筛网缝隙和转鼓滤孔甩出，并经出液管口排出，固相则被截留在滤网上形成环状渣层。经提至高速初步甩干后，洗涤液经进料管进入转鼓内进行物料清洗，经高速甩干后，主机降至卸料转速，启动卸料卸料电机，降料盘从转鼓内推出，滤布内外翻转，物料在离心机和重力作用下经卸料口排出。

With low-speed running of the basket, the materials enter the basket through the feeding pipe. Under the action of centrifugal force, the materials are evenly distributed onto the filter cloth inside the basket, where the liquid phase is filtered out through the cloth pores, screen apertures and filtration pores on the basket and then discharged out through the liquid discharge pipe, while the solid phase is retained on the screen to form annular slag layers. After the materials are initially dehydrated at a high speed, the washing liquid enters the basket through the feeding pipe to wash the materials, which will again be dehydrated at a high speed. Then, the host lowers the speed for discharging and starts the discharging motor, which will then push the dropping tray out of the basket, and the filter cloth starts to flip inside out to discharge the materials through the discharging port under the action of the centrifuge and their own gravity.



### 技术参数 TECHNICAL PARAMETERS

项目 Items	转鼓直径 (mm) Basket Diameter	过滤面积 (m <sup>2</sup> ) Filtering area	转鼓容积 (L) Basket Volume	最大转速 (r/min) Max. Speed	最大分离因数 (xg) Max. Separation Factor	外形尺寸 LxWxH (mm) Dimension	重量 (kg) Weight
FW300	300	0.12	6.8	3000	1500	2050x900x1050	1600
FW630	630	0.56	72	1950	1330	2900x1050x1600	3550
FW800	800	0.87	122	1600	1137	4000x1450x1850	4300
FW1000	1000	1.28	205	1270	938	4850x1700x2060	5700
FW1300	1000	2	350	1100	873	5800x2150x3100	6650