



**N A G A R J U N**  
INTERNATIONAL TRADING COMPANY

*We Grow Together...*

**18**  
YEARS



AN ISO 9001 : 2015 CERTIFIED COMPANY

2023

INDUSTRIAL WASHING, FINISHING EQUIPMENTS & POWER LAUNDRY MACHINERIES



*we grow together*



**STARFISH INDIA**  
LAUNDRY MACHINES PRIVATE LIMITED



**NAGARJUN**  
INTERNATIONAL TRADING COMPANY

*We Grow Together...*

# From the CEO'S desk

STARFISH is more than just a laundry equipment manufacturer. It is a community of people who share a common vision: "We Grow Together". We believe in creating value for our customers, our company and our society as a whole.

We are passionate about understanding our customers and their needs. We work closely with them to analyze their market potential and provide them with the best solutions for their laundry business. We don't just sell machines, we build relationships.

We are proud of our high-quality products, which are designed to meet the highest standards of reliability and performance. We follow strict ISO protocols and constantly innovate to improve our machines and services. We know how important it is for our customers to offer uninterrupted laundry service to their clients, and we want to help them achieve that.

That's why we offer service plans and on-site services along with AMC. We want to ensure that our customers can run their business smoothly and hassle-free. We want to see them grow and succeed with STARFISH.

STARFISH is not just a brand, it is a family. Join us today and discover the difference.



*we grow together*

**SARAVANAKUMAR MARIMUTHU**

FOUNDER AND CEO,



**STARFISH INDIA**  
LAUNDRY MACHINES PRIVATE LIMITED



**NAGARJUN**  
INTERNATIONAL TRADING COMPANY

*We Grow Together...*

## FULLY AUTOMATIC WASHER EXTRACTOR

The fully automatic washer extractor is a key machine in the automated laundry process, capable of both washing and extracting clothes. This advanced version of laundry systems offers time and manpower savings compared to earlier versions. It can be operated in both automatic and manual modes, making it similar to a semi-automatic machine.

The washer extractor operates based on predefined programming and is able to wash and extract Up to 75% of water from clothes automatically. It is equipped with various washing programs and soap cups. Additionally, it offers the option of automatic injection of different chemical types, eliminating the need for manual measurement of soap products and fabric softeners for each load. Instead, a precise metering system draws the detergents and additives from liquid-chemical storage barrels and injects them as needed during the wash and rinse cycles.

Computer-controlled commercial washers provide detailed control over the different wash and rinse cycles, allowing operators to program custom washing cycles. The extraction and water level can be adjusted to low, medium, or high. These commercial washer extractors are economical and have a short learning curve, making them perfect for basic automated laundries. They are user-friendly, even for semi-skilled individuals and best choice for new startup entrepreneur of laundry business.

Washer extractors offer various advantages compared to earlier versions. They are constructed well, making fault finding easy. The ability to vary extraction speed based on fabric is a notable advantage. These machines can be started and left to operate on their own, automatically carrying out the wash, rinse, and drain processes. Once the programmed process is complete, a buzzer signals to empty the drum. If necessary, specific processes can be skipped. In the event of a power shutdown, the program will resume from where it stopped, eliminating the need to restart.

One notable feature of industrial washer extractors is their ability to be mounted on heavy-duty shock absorbers and attached to concrete floors. This allows them to extract water even from severely unbalanced and heavy wash loads. Some machines can be mounted on hydraulic cylinders, enabling the entire washer to be lifted and tilted for easy transfer of fabrics onto a conveyor belt.

### **What is a soft mount washer?**

A soft mount washer is equipped with its own built-in shock absorbers and springs within a cradle. These washers are easier to install and reduce vibrations during operation. Soft mount washers tend to be Little expensive due to these added features.

### **What are the hard mount washers and Soft mount washers?**

In contrast, hard mount washers require reinforced concrete foundations, hole drilling, and bolting down during installation. Soft mount washers, on the other hand, can be easily slid into place without these requirements.

### **Difference Between hard mount and Soft mount ?**

The greatest advantage of soft mount machines over hard mount machines is their ability to operate at higher extract speeds. Soft mount washers can remove water from linens at forces exceeding 350 G Force. This more efficient extraction process results in quicker drying times.

# WASHER EXTRACTOR



## Advantages of Fully Automatic Washer Extractor

- **Reduced manpower requirement:** Only one person is needed to operate and maintain the entire wash, extraction, and drying process, eliminating the need for two individuals.
- **Elimination of water spillage:** Water is contained within the machine and can be observed through the glass door, preventing any accidental spillage.
- **Space-efficient design:** The Washer Extractor combines both washing and extraction functions in one machine, eliminating the need for separate machines and reducing the space required.
- **Easy unloading process:** After extraction, the remaining water level is only 25-30%, making unloading from the machine a simple task that does not require physically strong individuals.
- **No requirement for skilled labor:** The machine is fully automatic and programmable, requiring only the pouring of chemicals into the soap cup and selection of the desired program to complete the entire washing cycle.
- **Time-saving operation:** The machine is equipped with a fully computer-controlled system that efficiently manages the water filling, washing, draining, rinsing, and extraction processes, minimizing the time between each step.
- **Increased production capacity:** With the ability to utilize the machine for the entire 8-hour shift, including tea and lunch breaks, the overall production output can be significantly increased.
- **Enhanced water conservation:** The machine offers three water level options (low, medium, and high), allowing for the use of the appropriate amount of water based on the load size, resulting in water savings when washing smaller loads.
- **Improved extraction quality:** The machine offers three extraction speed options (low, medium, and high), allowing for customization based on the type of clothing being processed and reducing the risk of damages.
- **Workload comparison in an 8-hour shift:** In a fully automatic washer, the capacity of 30 kg can be utilized for 10 cycles with a cycle time of 40 minutes, resulting in a total workload of 300 kg. In comparison, a semi-automatic washer with the same capacity and a cycle time of 60 minutes can only handle 7 cycles, resulting in a total workload of 210 kg.

## Washer Extractor | Laundry Series



**Operating Mechanism:** This machine combines the washing and extracting processes, making it an ideal choice for industrial use. It is commonly referred to as an industrial washer extractor.

- **User-Friendly Interface:** Equipped with a Touch screen and a dialogue interface, this machine allows for easy and intelligent operation. It automates water pouring, pre-washing, rinsing, bleaching, and cleaning.
- **Programmable Microprocessor:** With a microprocessor that offers 30 different washing programs (including 5 standard presets), this machine is highly versatile and simple to operate.
- **Durable Construction:** Crafted from high-quality stainless steel, this machine is resistant to acid, alkali, and corrosion. Its classic appearance ensures longevity.
- **Enhanced Safety Features:** The washer drum is designed with a big stainless door and a control system that greatly improves safety during use. Additionally, the CNC punch forming of the washer drum ensures precise workmanship without damaging clothes.
- **Efficient Material Handling:** An automatic feeding system with aerodynamic design effectively flushes out all materials without leaving any residue.
- **Stability and Low Noise:** The unique suspension and shake-proof structure of this machine greatly enhances stability and reduces noise levels.
- **Frequency Conversion System:** The imported frequency conversion system allows for precise control of the drum speed, ensuring optimal washing and dehydration. This system not only guarantees high-quality washing results, but also improves drying efficiency.



VFD



Absorber



Chemical Cup



Heater(O)



## Washer Extractor | Laundry Series

### PERFORMANCE

|                    |                                  |                      |                      |                      |
|--------------------|----------------------------------|----------------------|----------------------|----------------------|
| Motor Brand        | Imported                         | Imported             | Imported             | Imported             |
| Volt               | 415 / 3Ø or 220 / 1Ø             | 416 / 3Ø or 220 / 1Ø | 417 / 3Ø or 220 / 1Ø | 417 / 3Ø or 220 / 1Ø |
| Washing speed Rpm  | 37                               | 37                   | 37                   | 37                   |
| Medium extract Rpm | 400                              | 400                  | 400                  | 400                  |
| High extract Rpm   | 650                              | 800                  | 800                  | 800                  |
| No of Programme    | 5                                |                      |                      | 30                   |
| Control panel      | Feather Touch                    |                      |                      | Touch                |
| Forward/Reverse    | Adjustable 0-60 Seconds          |                      |                      |                      |
| Water Inlet        | Automatic Through Solenoid Valve |                      |                      |                      |
| VFD                | LS/Equivalent                    |                      |                      |                      |
| Washing Time       | Adjustable by PCB                |                      |                      |                      |
| Extraction Time    | Adjustable by PCB                |                      |                      |                      |
| Soap Dispensing    | Automatic Through Solenoid Valve |                      |                      |                      |
| Water Level        | Low/Medium/High                  |                      |                      |                      |
| Water Drain        | Automatic Through Valve          |                      |                      |                      |
| Manual Operation   | Available                        |                      |                      |                      |



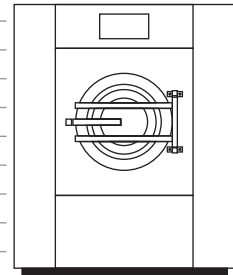
SWX 10

### SAFETY

|                   |              |
|-------------------|--------------|
| Door Open Cut Off | Limit Switch |
| Emergency Switch  | Yes          |

### CONSTRUCTION

|                 |   |      |
|-----------------|---|------|
| Mounting Type   | Hard  | Soft |
| Outer Drum      | Mild Steel  |      |
| Inner Drum      | Stainless Steel 304 Grade                                       |      |
| Perforation     | Turret Punch Press  |      |
| Outer Cover     | Stainless Steel 304 Grade                                       |      |
| Back Cover      | Galvanized Iron   |      |
| Base Frame      | Mild Steel Channel  |      |
| Springs         | Helical Compression   |      |
| Shock absorber  | Light Duty  |      |
| Belt Adjustment | Screw Rod   |      |
| Nuts, Bolts     | Mild Steel  |      |
| Soap Cup        | 2   |      |
| Cutting         | CNC   |      |
| Bending         | CNC   |      |
| Welding         | Laser MIG/TIG   |      |
| Shaft Gland     | Integral Housing With Shaft, Bearing, Oil Seal and Drive System |      |
| Doors           | Stainless Steel 304 Grade with Double Lock                      |      |



### AESTHETIC

|                |                                    |
|----------------|------------------------------------|
| Overall finish | Matt Finished Stainless Steel      |
| Logo           | Starfish Engraving with LED Lights |

### GENERAL

|                         |          |     |      |      |
|-------------------------|----------|-----|------|------|
| Motor Power in kw       | 1.5      | 1.5 | 2.25 | 2.25 |
| Water Inlet in mm       | 17       | 17  | 17   | 17   |
| Drain Outlet in mm      | 50       | 50  | 50   | 50   |
| Heater in kw (Optional) | 6        | 6   | 6    | 9    |
| Foundation              | Required |     |      |      |
| Weight in Kgs           | 450      | 550 | 650  | 750  |

### TECHNICAL SPECIFICATION

|                      |                  |                    |                    |                    |
|----------------------|------------------|--------------------|--------------------|--------------------|
| Model                | SWX 10           | SWX 15             | SWX 20             | SWX 25             |
| Dry Weight in Kg     | 10               | 15                 | 20                 | 25                 |
| Drum Size in mm      | Ø630 x 320       | Ø670 x 430         | Ø730 x 430         | Ø760 x 550         |
| Drum Volume in Liter | 100              | 152                | 200                | 250                |
| Liquor Ratio         | 1 : 10           |                    |                    |                    |
| Dimension in mm      | 850 x 900 x 1500 | 1000 X 1100 X 1600 | 1000 X 1100 X 1600 | 1100 X 1200 X 1600 |

## Washer Extractor Premium | Hard mount



The inner drum, outer drum, and all panels are constructed with Stainless Steel 304 material, providing effective corrosion and rust resistance, resulting in a longer life span and an enhanced aesthetic appearance.

### TECHNICAL SPECIFICATION

| Model                   | Unit  | SWXH<br>12 | SWXH<br>16 | SWXH<br>22 | SWXH<br>27 |
|-------------------------|-------|------------|------------|------------|------------|
| Capacity                | kg    | 12         | 16         | 22         | 27         |
| Drum Dia                | mm    | 670        | 670        | 670        | 770        |
| Drum depth              | mm    | 340        | 426        | 520        | 590        |
| Door Dia                | mm    | 440        | 440        | 440        | 440        |
| Washing Speed           | r/min | 40         | 40         | 40         | 38         |
| Middle extracting Speed | r/min | 450        | 440        | 440        | 430        |
| High extracting Speed   | r/min | 690        | 690        | 690        | 650        |
| Cold Water Inlet        | inch  | 3/4        | 3/4        | 3/4        | 3/4        |
| Hot water Inlet         | inch  | 3/4        | 3/4        | 3/4        | 3/4        |
| Drainage Dia            | inch  | 3          | 3          | 3          | 3          |
| Motor power             | kw    | 1.5        | 1.9        | 2.2        | 3          |
| Heating power           | kw    | 12         | 12         | 16         | 20         |
| Width                   | mm    | 800        | 800        | 800        | 950        |
| Depth                   | mm    | 850        | 950        | 1030       | 1150       |
| Height                  | mm    | 1420       | 1420       | 1430       | 1450       |
| Weight                  | kg    | 265        | 285        | 310        | 400        |

- Featuring a 7.0-inch intelligent touch screen, the machine offers easy program editing, with an additional option of a press button type controller.

- The computer board supports 8 language options, and a customized language system can be implemented. The machine is built with a stable heavy-duty frame, reliable imported Japan brand bearings, and durable bearing housing and shaft, significantly reducing wear and tear.

- Utilizing an inverter drive system and a world-standard stable industrial motor, the machine delivers enhanced stability, higher speed, and noise-free operation even when fully loaded. Maintenance and parts replacement are conveniently facilitated.

- The machine incorporates high-quality imported parts, such as drainage valve, inlet valve, and electrical switches, ensuring reliable performance. Equipped with a top detergent box as a standard feature, the machine also includes clean flushing soap slots that can accommodate both powder and liquid detergent.

- During the high extracting procedure, the machine can achieve a maximum of 220G, effectively removing most of the water from clothing and resulting in a 30% energy saving during the drying process.



## Washer Extractor Premium | Soft mount



The machine is made of stainless steel 304 material for the inner drum, outer drum, and all the panels. This prevents the machine from corrosion and rust, and increases its lifespan. It also gives the machine a high-end appearance.

### TECHNICAL SPECIFICATION

| Model                   | Unit  | SWXP 12 | SWXP 16 | SWXP 22 | SWXP 27 |
|-------------------------|-------|---------|---------|---------|---------|
| Capacity                | kg    | 12      | 16      | 22      | 27      |
| Drum Dia                | mm    | 670     | 670     | 670     | 770     |
| Drum depth              | mm    | 340     | 426     | 520     | 590     |
| Door Dia                | mm    | 440     | 440     | 440     | 440     |
| Washing speed           | r/min | 40      | 40      | 40      | 38      |
| Middle extracting speed | r/min | 450     | 440     | 440     | 430     |
| High extracting speed   | r/min | 920     | 900     | 880     | 860     |
| Cold Water inlet        | inch  | 3/4     | 3/4     | 3/4     | 3/4     |
| Hot water inlet         | inch  | 3/4     | 3/4     | 3/4     | 3/4     |
| Drainage Dia            | inch  | 3       | 3       | 3       | 3       |
| Motor power             | kw    | 1.5     | 1.9     | 2.2     | 3       |
| Heating power           | kw    | 12      | 12      | 16      | 20      |
| Width                   | mm    | 800     | 800     | 800     | 950     |
| Depth                   | mm    | 850     | 950     | 1030    | 1150    |
| Height                  | mm    | 1420    | 1420    | 1430    | 1450    |
| Weight                  | kg    | 265     | 285     | 310     | 400     |

■ This machine has a 7.0-inch intelligent touch screen that makes it easy to edit programs. The computer board supports 8 languages options, and can be customized to other languages as well.

■ The machine has a stable heavy duty frame, reliable imported Japan brand bearings, durable bearing housing and shaft. These reduce any wear and tear of the machine. It also has an inverter drive system and a standard and stable industrial motor. This ensures the machine has stronger stability and higher speed, and does not produce noise when fully loaded. It also makes it easy to maintain and replace parts.

■ The machine uses original imported parts such as drainage valve, inlet valve and electrical switches. These ensure great balance and reliable performance of the machine. The machine has a top detergent box as default, which can be cleaned easily. It can accept both powder detergent and liquid detergent. It also has a self-balancing system that distributes water evenly, saves water, and operates stably. The machine can reach up to 320G on high extracting procedure, which removes most of the water from clothing. This saves at least 30% energy for drying.

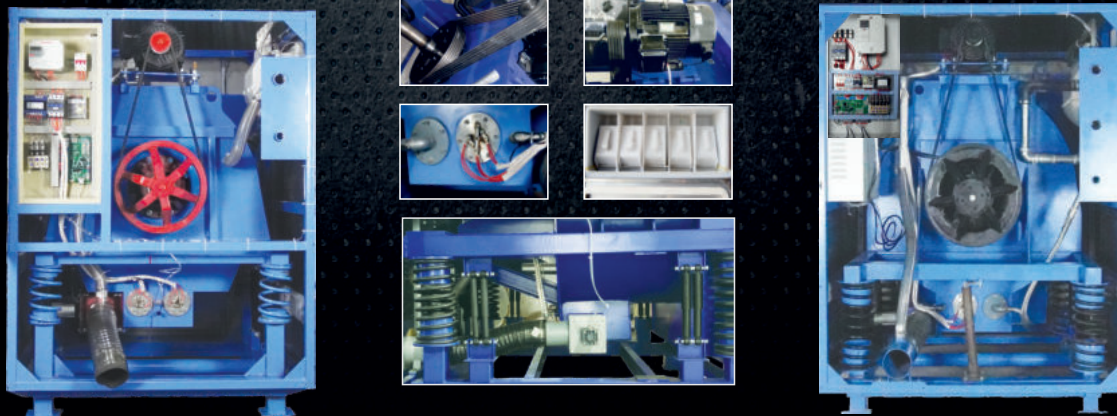
## Washer Extractor | Textile Series



This machine features a Touch screen that allows you to operate it intelligently. You can select from 30 washing programs, including 5 preset ones, to meet your different needs. It can automatically fill water, pre-wash, rinse, bleach and clean your clothes with ease.

The machine is built with high quality stainless steel that can withstand acid, alkali and corrosion. It has a classic look and a long service life. It has a big stainless door with a safety control system. The washer drum is CNC punched with high accuracy and fine workmanship that won't damage your clothes. It also has a unique suspension and anti-shake structure that makes the machine stable and quiet.

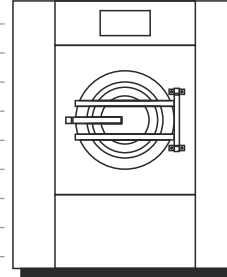
The machine uses an imported frequency conversion system that can adjust the drum speed according to the washing and drying needs. It ensures the washing quality and improves the drying efficiency. It also has an imported bearing and oil seal that prevent the drum from leaking or malfunctioning. It has an automatic feeding system that flushes the detergent completely without leaving any residue.



## Washer Extractor | Textile Series

### PERFORMANCE

|                    |                                  |          |          |
|--------------------|----------------------------------|----------|----------|
| Motor Brand        | Imported                         | Imported | Imported |
| Volt               | 415 / 3Ø                         | 415 / 3Ø | 415 / 3Ø |
| Washing speed Rpm  | 32                               | 32       | 32       |
| Medium extract Rpm | 400                              | 375      | 350      |
| High extract Rpm   | 800                              | 750      | 700      |
| Forward/Reverse    | Adjustable 0-60 Seconds          |          |          |
| Water Inlet        | Automatic Through Solenoid Valve |          |          |
| VFD                | LS/Equivalent                    |          |          |
| Washing Time       | Adjustable by PCB                |          |          |
| Extraction Time    | Adjustable by PCB                |          |          |
| Soap Dispensing    | Automatic Through Solenoid Valve |          |          |
| Water Level        | Low/Medium/High                  |          |          |
| Control panel      | Feather Touch                    |          |          |
| Water Drain        | Automatic Through Valve          |          |          |
| No of Programme    | 30                               |          |          |
| Manual Operation   | Available                        |          |          |



### SAFETY

|                   |              |
|-------------------|--------------|
| Door Open Cut Off | Limit Switch |
| Emergency Switch  | Yes          |

### CONSTRUCTION

|                            |   |                           |                           |
|----------------------------|---|---------------------------|---------------------------|
| Outer Drum                 | Stainless Steel 304 Grade                                       | Stainless Steel 304 Grade | Stainless Steel 304 Grade |
| Inner Drum                 | Stainless Steel 304 Grade                                       | Stainless Steel 304 Grade | Stainless Steel 304 Grade |
| Perforation                | Turret Punch Press  | Turret Punch Press        | Turret Punch Press        |
| Outer Cover                | Stainless Steel 304 Grade                                       | Stainless Steel 304 Grade | Stainless Steel 304 Grade |
| Back Plate                 | Mild Steel  | Mild Steel                | Mild Steel                |
| Mounting Type              | Soft  | Soft                      | Soft                      |
| Base Frame                 | Mild Steel Channel  | Mild Steel Channel        | Mild Steel Channel        |
| Springs                    | Helical Compression   | Helical Compression       | Helical Compression       |
| Shock absorber             | Heavy Duty  | Heavy Duty                | Heavy Duty                |
| Doors                      | Stainless Steel 304 Grade with Pneumatic Lock                   |                           |                           |
| Belt Adjustment            | Screw Rod   | Screw Rod                 | Screw Rod                 |
| Shaft Gland                | Integral Housing With Shaft, Bearing, Oil Seal and Drive System |                           |                           |
| Nuts, Bolts And Connectors | Mild Steel  | Mild Steel                | Mild Steel                |
| Soap Cup                   | 3   | 5                         | 5                         |
| Cutting                    | CNC   | CNC                       | CNC                       |
| Bending                    | CNC   | CNC                       | CNC                       |
| Welding                    | Laser MIG/TIG   | Laser MIG/TIG             | Laser MIG/TIG             |

### AESTHETIC

|                |                                    |
|----------------|------------------------------------|
| Overall Finish | Matt Finished Stainless Steel      |
| Logo           | Starfish Engraving with LED Lights |

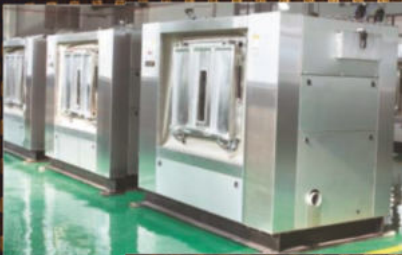
### GENERAL

|                         |          |      |      |
|-------------------------|----------|------|------|
| Motor Power in kw       | 4        | 5.5  | 7.5  |
| Steam Consumption Kg/Hr | 30       | 50   | 100  |
| Water Inlet in mm       | 32       | 37   | 50   |
| Drain Outlet in mm      | 90       | 140  | 140  |
| Heater in kw (Optional) | 12       | 18   | 24   |
| Door Dimension in mm    | 420      | 540  | 630  |
| Foundation              | Required |      |      |
| Weight in Kgs           | 1000     | 2000 | 3000 |

### TECHNICAL SPECIFICATION

|                          |                    |                    |                    |
|--------------------------|--------------------|--------------------|--------------------|
| Model                    | SWX 30             | SWX 52             | SWX 100            |
| Dry Weight in Kg         | 30                 | 52                 | 100                |
| Drum Size in mm          | Ø800 x 590         | Ø1060 x 590        | Ø1250 x 800        |
| Drum Volume in Liter     | 300                | 520                | 980                |
| Liquor Ratio             | 1 : 10             |                    |                    |
| Over All Dimension in mm | 1350 X 1350 X 1750 | 1500 X 1750 X 1900 | 1760 X 1950 X 2040 |

## Barrier Washer Extractor

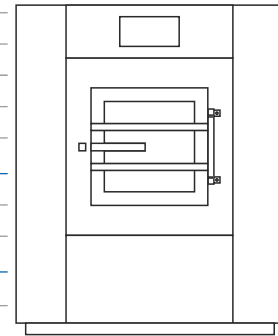


- Action mechanism: A sanitary barrier washer Extractor has double opposite doors for loading and unloading laundry. On one side of the machine, dirty clothes are loaded, while on the opposite side, sanitised clothes are unloaded once the washing cycle is completed.
- The Starfish Barrier Washer Extractor fulfils the requirements for bacteria-free and anti-static laundry.
- The laundry room can be easily divided into separate and independent operating zones using the barrier and wall partition. Dirty clothes are loaded through the loading door into the washing machine and then unloaded from the other side once the washing is finished.
- This operational setup effectively prevents the spread of germs, bacteria, radiation, and dust. Consequently, clean laundry remains uncontaminated and free from reinfection after washing.
- Barrier Washer Extractor feature advanced design, robust construction, cost-effective operation, easy maintenance, and high performance.
- These machines are extensively used in hospitals, food and pharmaceutical factories, nuclear power plants, and other environments where strict cleanliness and hygiene standards are observed.
- The Touch screen with a user-friendly interface enables intelligent operation, automating processes such as water pouring, pre-washing, rinsing, bleaching and cleaning.
- Imported precise and durable bearings and a framework oil seal ensure the reliability of drum precision and airtightness, eliminating any leakage and significantly reducing issues.

## Barrier Washer Extractor

### PERFORMANCE

|                    |                                  |          |          |
|--------------------|----------------------------------|----------|----------|
| Motor Brand        | Imported                         |          |          |
| Volt               | 415 / 3Ø                         | 415 / 3Ø | 415 / 3Ø |
| Washing speed Rpm  | 32                               | 32       | 32       |
| Medium extract Rpm | 400                              | 400      | 375      |
| High extract Rpm   | 850                              | 800      | 750      |
| Forward/Reverse    | Adjustable 0-60 Seconds          |          |          |
| Water Inlet        | Automatic Through Solenoid Valve |          |          |
| VFD                | LS/Equivalent                    |          |          |
| Washing Time       | Adjustable by PCB                |          |          |
| Extraction Time    | Adjustable by PCB                |          |          |
| Soap Dispensing    | Automatic Through Solenoid Valve |          |          |
| Water Level        | Low/Medium/High                  |          |          |
| Control panel      | Feather Touch                    |          |          |
| Water Drain        | Automatic Through Valve          |          |          |
| No of Programme    | 30                               |          |          |
| Manual Operation   | Available                        |          |          |



### SAFETY

|                   |              |
|-------------------|--------------|
| Door Open Cut Off | Limit Switch |
| Emergency Switch  | Yes          |

### CONSTRUCTION

|                            |   |   |   |
|----------------------------|---|---|---|
| Outer Drum                 | Stainless Steel 304 Grade                                       |   |   |
| Inner Drum                 | Stainless Steel 304 Grade                                       |   |   |
| Perforation                | Turret Punch Press  |   |   |
| Outer Cover                | Stainless Steel 304 Grade                                       |   |   |
| Side Cover                 | Stainless Steel 304 Grade                                       |   |   |
| Mounting Type              | Soft  |   |   |
| Base Frame                 | Mild Steel Channel  |   |   |
| Springs                    | Helical Compression   |   |   |
| Shock absorber             | Heavy Duty  |   |   |
| Doors                      | Stainless Steel 304 Grade with Pneumatic Lock                   |   |   |
| Belt Adjustment            | Screw Rod   |   |   |
| Shaft Gland                | Integral Housing With Shaft, Bearing, Oil Seal and Drive System |   |   |
| Nuts, Bolts And Connectors | Stainless Steel   |   |   |
| Soap Cup                   | 3   | 5 | 5 |
| Cutting                    | CNC   |   |   |
| Bending                    | CNC   |   |   |
| Welding                    | Laser MIG/TIG   |   |   |

### AESTHETIC

|                |                                    |  |  |
|----------------|------------------------------------|--|--|
| Overall Finish | Matt Finished Stainless            |  |  |
| Logo           | Starfish Engraving with LED Lights |  |  |

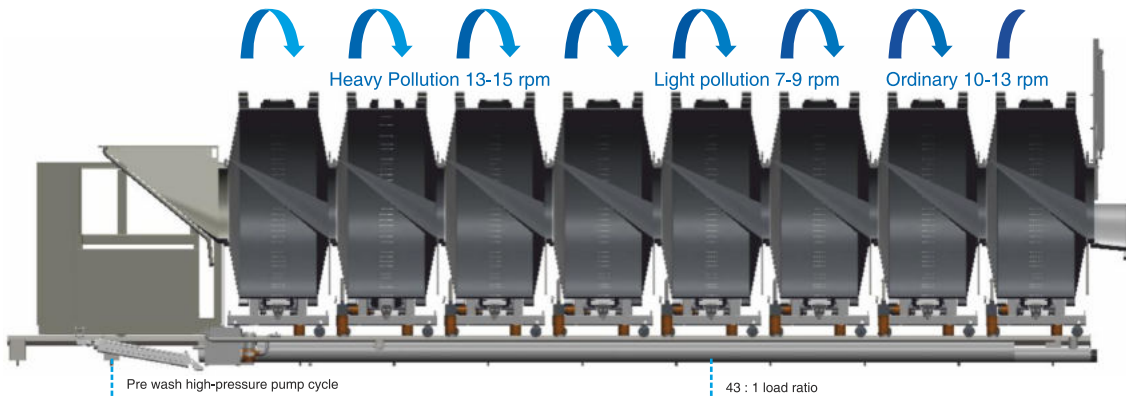
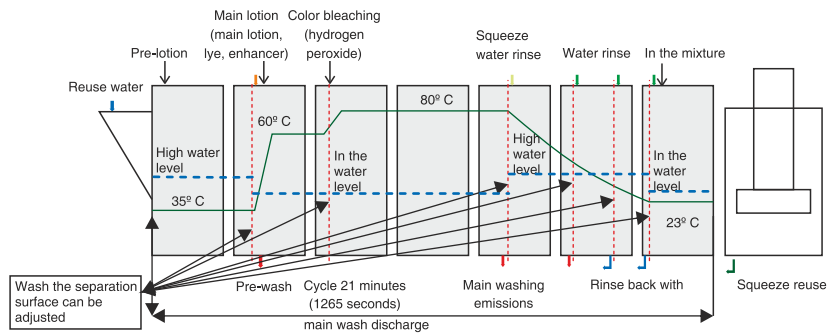
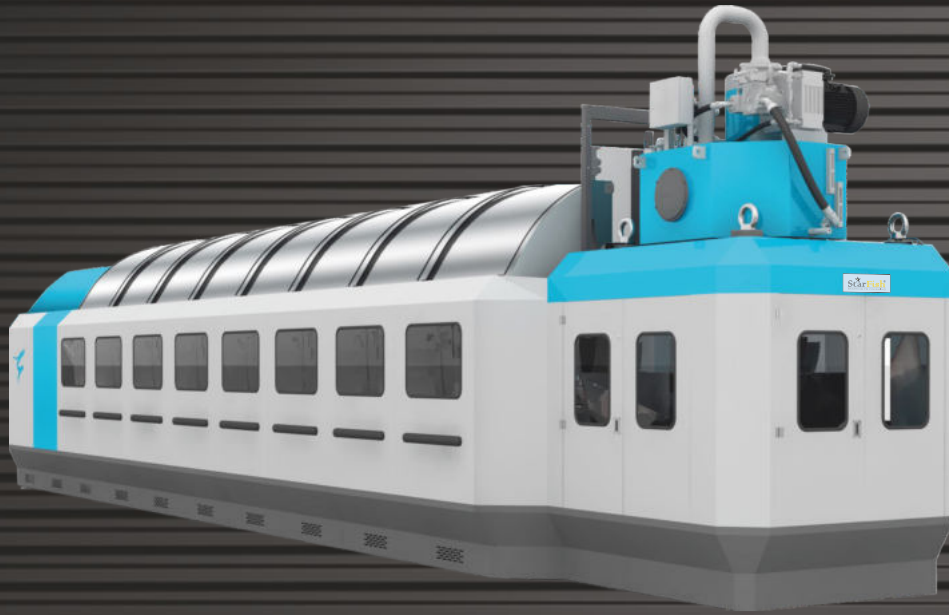
### GENERAL

|                         |          |      |      |
|-------------------------|----------|------|------|
| Motor Power in kw       | 4        | 5.5  | 11   |
| Steam Consumption Kg/Hr | 45       | 75   | 150  |
| Water Inlet in mm       | 37       | 37   | 50   |
| Drain Outlet in mm      | 50       | 75   | 100  |
| Heater in kw(Optional)  | 12       | 18   | 24   |
| Foundation              | Required |      |      |
| Weight in Kgs           | 1500     | 1750 | 2200 |

### TECHNICAL SPECIFICATION

|                         |                   |                   |                    |
|-------------------------|-------------------|-------------------|--------------------|
| Model                   | SBWX 30           | SBWX 50           | SBWX 100           |
| Dry Weight in Kg        | 30                | 50                | 100                |
| Drum Size in mm         | Ø800 x 600        | Ø900 x 800        | Ø1220 x 853        |
| Drum Volume in Liter    | 300               | 500               | 997                |
| Liquor Ratio            | 1 : 10            |                   |                    |
| Overall Dimension in mm | 1380 x 1380x 1700 | 1580 x 1580x 1900 | 1860 x 1860 x 2165 |

# Tunnel Washer



# Tunnel Washer

## Flexible Tunnel Washer Feature

The wash cabinets are adaptable and can vary the motor speed (7-15rpm) for each cabinet depending on the type and dirtiness of the linen, allowing for different levels of washing force to suit different linen needs and ensure quick delivery. The drum rotates at 360 and 270 degrees, has a diameter of 2 meters, and can load 43 times its weight in linen, generating up to 0.3G of washing and eroding force for better cleaning performance. It can handle various kinds of linens, shorten the washing time, and save water, steam, and chemicals by 30%, 20%, and 20% respectively compared to other tunnel washers.

The cabinets can be programmed individually and have inlets for water, chemicals, drainage, temperature probes, etc. The separation surface of the washing process can be modified or added or removed as needed. The pre-wash cabinet has a high-pressure pump for recycling and rinsing to enhance the pre-wash effect. The tunnel washer has a bullet train design concept and can be combined with a press for a streamlined design. It has a modular design with open panels that can be either stainless steel or powder coated, making it easy to repair, service, and expand capacity in the future.

It has a self-developed automatic control system based on WIN7 that enables strong human-computer interaction, data monitoring and analysis, remote diagnosis and service. It uses infrared detection technology to intelligently control the drying process. It has a double variable frequency control, return air heating and drying system, and an energy-efficient high pressure oil pump that can adjust the press process according to the type of buffer. It monitors the parameters and results of the washing process and intelligently determines the washing effect using PH and electrolysis measurements.

The tunnel washer is a special type of continuous-processing washer that does not have a drum with separate wash and rinse cycles. Instead, the laundry moves slowly and continuously through a long, large-diameter rotating tube like an assembly line, with different processes at different positions

One special type of continuous-processing washer is known as the tunnel washer. This specialized high-capacity machine does not have a drum where everything being washed undergoes distinct wash and rinse cycles. Instead, the laundry progresses slowly and continuously through a long, large-diameter horizontal-axis rotating tube in the manner of an assembly line, with different processes at different positions.

## TECHNICAL SPECIFICATION

| Model                   | Unit        | SFTW75-5 | SFTW75-6 | SFTW75-7 | SFTW75-8 | SFTW75-9 | SFTW75-10 |      |
|-------------------------|-------------|----------|----------|----------|----------|----------|-----------|------|
| Cabinet                 | Nos         | 5        | 6        | 7        | 8        | 9        | 10        |      |
| Washing Capacity        | Kg/h        | 1071     | 1286     | 1500     | 1714     | 1929     | 2143      |      |
| Drum Diameter           | mm          | 2010     |          |          |          |          |           |      |
| Drum Depth              | mm          | 950      |          |          |          |          |           |      |
| Drum Volume             | Liter       | 3016     |          |          |          |          |           |      |
| Drum capacity           | Kg/h        | 60-75    |          |          |          |          |           |      |
| Washing Speed           | Rpm         | 11-18    |          |          |          |          |           |      |
| Total Power             | kw          | 32.2     | 36.95    | 41.7     | 46.45    | 51.2     | 55.95     |      |
| Electricity Consumption | kw/h        | 19       | 22.2     | 25.2     | 28.6     | 32       | 33.9      |      |
| Steam                   | Pressure    | Bar      |          |          |          |          |           |      |
|                         | Consumption | per kg   |          |          |          |          |           |      |
|                         | Pipe size   | mm       |          |          |          |          |           |      |
| Water                   | Consumption | L/per kg |          |          |          |          |           |      |
|                         | Pipe size   | mm       |          |          |          |          |           |      |
| Air                     | Pressure    | Bar      |          |          |          |          |           |      |
|                         | Consumption | Nm3/h    | 0.04     | 0.05     | 0.06     | 0.07     | 0.08      | 0.09 |
|                         | Pipe size   | mm       |          |          |          |          |           |      |
| Length                  | mm          | 8750     | 9900     | 11050    | 12200    | 13350    | 14500     |      |
| Width                   | mm          | 2700     |          |          |          |          |           |      |
| Height                  | mm          | 3400     |          |          |          |          |           |      |
| Weight                  | kg          | 9200     | 10700    | 12200    | 13700    | 15200    | 16700     |      |



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