

From

'68 to present

ERGIN

WASHING MACHINES



ERGIN

From '68 to present



İZMİR

KUÇUK SANAYİ PILOT EĞİTİMİ KURSLARI BİTİRME
BELGESİ

Belge No: 89

| | | | |
|---------------|----------------|------------|-------|
| Adı ve Soyadı | Abdullah Ergin | Doğum Yeri | Konya |
| Baba Adı | Ali | Doğum Yılı | 1952 |

Yukarıda imeliği yazılı Abdullah Ergin
Millî Eğitim Bakanlığı, Sanayi Bakanlığı, Türkiye İstatistik Bankası A.Ş. ve Türkiye Esnaf ve
Sanatkarları Kooperasyonu'nun birliğinde ve işbirlikleri Küçük Sanayi Pilot Eğitimi
çalışmalarından 72 - saat süreli Tornacılık Kursu' nu başarı ile bitirdiğinden
bu belge kendisine verilmiştir.

30.7.1968

İzmir Valisi
Namık Kemal Sentürk

YÜRÜTÜCÜ KOMİTE BAŞKANI
SİYASİ İSTİSNAİ MÜDÜRÜ
H. Kemal Boşadlı





Ergin: Engineered for excellence, built for your satisfaction.

Since 1968, Ergin Machinery has been on a steady climb, growing its business adventure with unwavering commitment to innovation and quality. In 2017, we expanded our operations to a dedicated 8,000 m2 facility in the Pancar Organized Industrial Zone, with half covered for production.

Today, our machines span over 80 countries, with hundreds of machines operating internationally and thousands more serving the domestic market. From Australia to France, from the US to Libya, Ergin Machinery empowers carpet cleaners with dependable machines built to last.

Heritage meets Innovation: We blend over 50 years of industry knowledge with a burning passion for progress. This dynamic duo ensures our machines deliver unmatched quality, never settling for anything less than the best.

But what truly sets us apart is our dedication to the finer details. We understand that every nuance matters, which is why we focus on the latest technology, top-tier ergonomics, and peak performance in every machine we build.

Our machines go beyond cleaning carpets – they save water, chemicals, time, electricity, and manpower. Ultimately, our dedication to customer satisfaction forms the bedrock of our past, present, and future achievements.





ER SERIES CARPET WASHING MACHINES



ER Series Carpet Washing Machines are made of 304-grade stainless steel (INOX), making them resistant to various chemicals and water used in carpet cleaning. Our machines are fully automatic and have a PLC system. The machine can wash different sorts of carpets (in terms of thickness, width, length, type) with different washing programs, just like in washing machines used at home. The systems on the machine work by selecting the programs according to the features of the carpets as soon as they are detected by sensors on the machine. Thanks to the integration of PLC and fully automatic systems, the machine saves up on chemicals, energy, time, water, and manpower.

Our machines wash carpets in six stages: pre-cleaning, main cleaning, pre-rinsing, back-cleaning, back-rinsing, and wrapping. Firstly, a shampoo and water mixture is automatically applied to the surface of the carpet; the mixture flow rate can be adjusted accordingly. Right after this stage, the carpet is thoroughly brushed by disc brushes, which rub the dirt off and remove it from the surface. Thanks to the nozzles, the pump, and the squeegee system, the carpets are rinsed deeply, powerfully, and efficiently. Our rinsing system ensures that the carpets remain vivid for a long time, meaning that the carpet is ready for the drying stage in a way that is completely rinsed and free from chemicals and dirt.

We also manufacture specially designed machines with system adjustments.



ER SERIES CARPET WASHING MACHINES



| Model Name | ER 2200 | ER 2700 | ER 3200 | ER 4200 | ER 5200 |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Max. Carpet Width | 2 meters | 2.5 meters | 3 meters | 4 meters | 5 meters |
| Disc Brushes | 3 or 3+3=6 | 3+3=6 or 4+4=8 | 3+3=6 or 4+4=8 | 4+4=8 or 6+6=12 | 4+4=8 or 6+6=12 |
| Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Belt Speed | Adjustable | Adjustable | Adjustable | Adjustable | Adjustable |
| Operating System | PLC | PLC | PLC | PLC | PLC |
| Rinsing System | Pump + Squeegee | Pump + Squeegee | Pump + Squeegee | Pump + Squeegee | Pump + Squeegee |
| Soaking | ✓ | ✓ | ✓ | ✓ | ✓ |
| Shampooing | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bottom Rinsing | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic Rolling | ✓ | ✓ | ✓ | ✓ | ✓ |
| Front Tub | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpet Trolley | ✓ | ✓ | ✓ | ✓ | ✓ |
| Reverse Memory | ✓ | ✓ | ✓ | ✓ | ✓ |
| Voltage Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Driver System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Brush Direction Change | ✓ | ✓ | ✓ | ✓ | ✓ |
| Motor Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic Trolley Drop | Optional | Optional | Optional | Optional | Optional |
| Cylindrical Brush | Optional | Optional | Optional | Optional | Optional |
| Rear Cleaning Brush | Optional | Optional | Optional | Optional | Optional |
| Sensor for Rinsing | Optional | Optional | Optional | Optional | Optional |



HSM SERIES CARPET WRINGING MACHINES



HSM Series Carpet Wringing Machines, leveraging the knowledge and experience of ERGIN Machinery, the HSM Series offers quiet, user-friendly machines with high spinning capacity. Thanks to advanced systems, these centrifuges achieve 95%-98% moisture removal from carpets at high speeds.

All HSM Series centrifuges use 304-grade stainless steel (INOX) for both the inner and outer cylinders, ensuring resistance to various chemicals and water used in carpet washing. Each machine features a pneumatic door system for safe, fast, and easy use. The automatic door system prevents operation until closed and safely stops the machine during power outages, protecting mechanical parts. Our centrifuges incorporate air springs, similar to those in trucks and trailers, significantly reducing vibration and machine movement. The zero-tolerance production technique further minimizes vibration and ensures balanced operation.

We also manufacture specially designed machines with system adjustments.



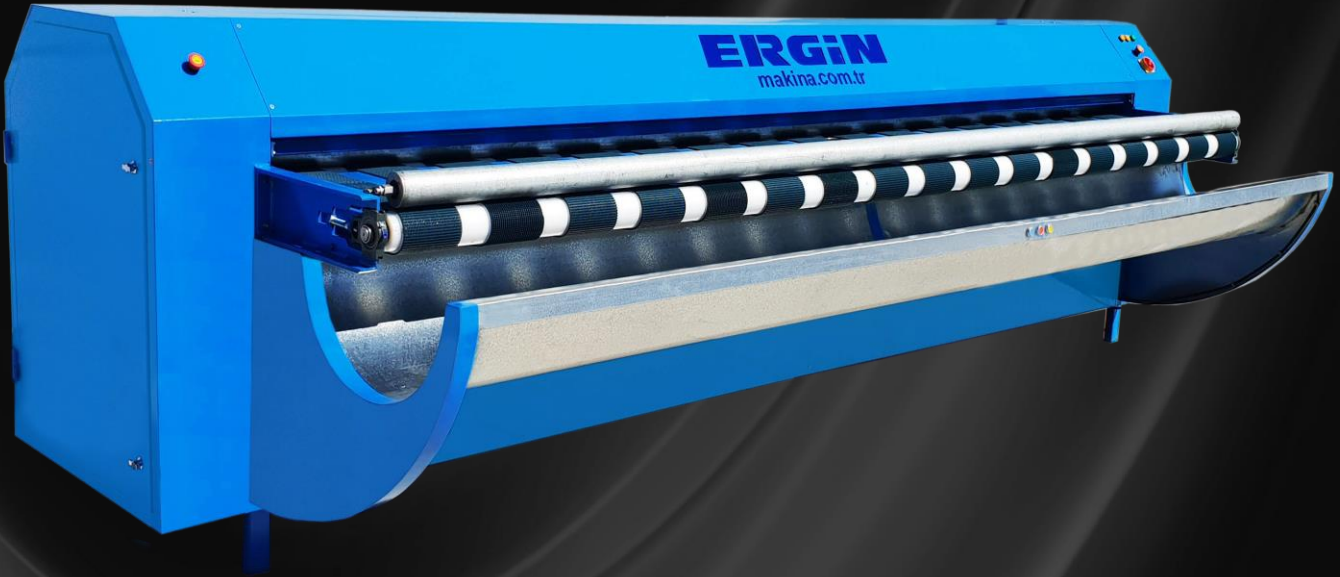
HSM SERIES CARPET WRINGING MACHINES



| Model Name | HSM 2200 | HSM 2700 | HSM 3200 | HSM 4200 | HSM 5200 |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Max. Carpet Width | 2 meters | 2.5 meters | 3 meters | 4 meters | 5 meters |
| Inner Cylinder Diameter | 35 cm | 35 cm | 35 or 45 cm | 45 cm | 45 cm |
| Inner Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Outer Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Operating System | Time Relay | Time Relay | Time Relay | Time Relay | Time Relay |
| Moisture Removal | 95 – 98 % | 95 – 98 % | 95 – 98 % | 95 – 98 % | 95 – 98 % |
| Air Springs | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic Door Sensor | ✓ | ✓ | ✓ | ✓ | ✓ |
| Emergency Stop | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vibration Rubbers | ✓ | ✓ | ✓ | ✓ | ✓ |
| Motor Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Shock Absorbers | Optional | Optional | Optional | ✓ | ✓ |
| Braking System | Optional | Optional | Optional | Optional | Optional |
| Automatic Reverse | Optional | Optional | Optional | Optional | Optional |
| Water Port | Optional | Optional | Optional | Optional | Optional |
| Frequency Driver | Optional | Optional | Optional | Optional | Optional |
| Soft Starter | Optional | Optional | Optional | Optional | Optional |



HTM SERIES CARPET DUSTING MACHINES



HTM Series Carpet Dusting Machines are the first machines used in carpet cleaning to remove even the deepest dirt and debris after carpets are collected. Our innovative design tackles everything from fine dust to large particles, leaving carpets noticeably softer and far easier to clean and wash.

Simplicity is key with HTM Series dusters. Simply feed carpets into the front, and the automatic beating system takes care of the rest. During the process, the carpet is automatically reversed and dusted again, ensuring thorough cleaning. Finally, it's returned to you neatly rolled at the front. And to eliminate the need for extra help, a powerful vacuum system operates simultaneously.

Whether you are a large company or a solo operator, the HTM Series duster is an essential tool for professional carpet cleaning businesses. Its space-saving design allows positioning against a wall, eliminating the need for someone to handle the carpet at the back or move uncomfortably.

We also manufacture specially designed machines with system adjustments.



HTM SERIES CARPET DUSTING MACHINES



| Model Name | HTM 2200 | HTM 2700 | HTM 3200 | HTM 4200 | HTM 5200 |
|------------------------------|------------|------------|------------|------------|------------|
| Max. Carpet Width | 2 meters | 2.5 meters | 3 meters | 4 meters | 5 meters |
| Dusting Cylinders | 3+3=6 | 3+3=6 | 3+3=6 | 3+3=6 | 3+3=6 |
| Opearting System | Time Relay | Time Relay | Time Relay | Time Relay | Time Relay |
| Automatic Reverse Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Forward – Backward Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vacuum System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dust Collecting System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpet Detection Sensor | ✓ | ✓ | ✓ | ✓ | ✓ |
| Motor Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Belt Speed Adjustment | Optional | Optional | Optional | Optional | Optional |
| Front Tub | Optional | Optional | Optional | Optional | Optional |
| Wheels | Optional | Optional | Optional | Optional | Optional |
| Automatic Transfer to Tub | Optional | Optional | Optional | Optional | Optional |



HPM SERIES CARPET FINISHING MACHINES



Also known as carpet packing machines, these versatile tools represent the final step in the professional carpet cleaning process. They complete all necessary tasks before the carpets are wrapped for storage or delivery.

Featuring a specially designed pneumatic system, the brushing unit ensures smooth and reliable operation for years to come. This system partners with vacuum systems to remove unwanted materials like hair, fluff, and dust. The extracted materials are automatically sent to a dedicated vacuum and filter system for efficient disposal. After passing through the brushing and vacuuming stages, carpets emerge with smooth, well-groomed surfaces, appearing noticeably brighter and more vibrant. Additionally, stain removal, quality control, and perfuming can all be seamlessly integrated into the finishing process. With the automatic finishing process complete, carpets are ready for the final step: packaging.

We also manufacture specially designed machines with system adjustments.



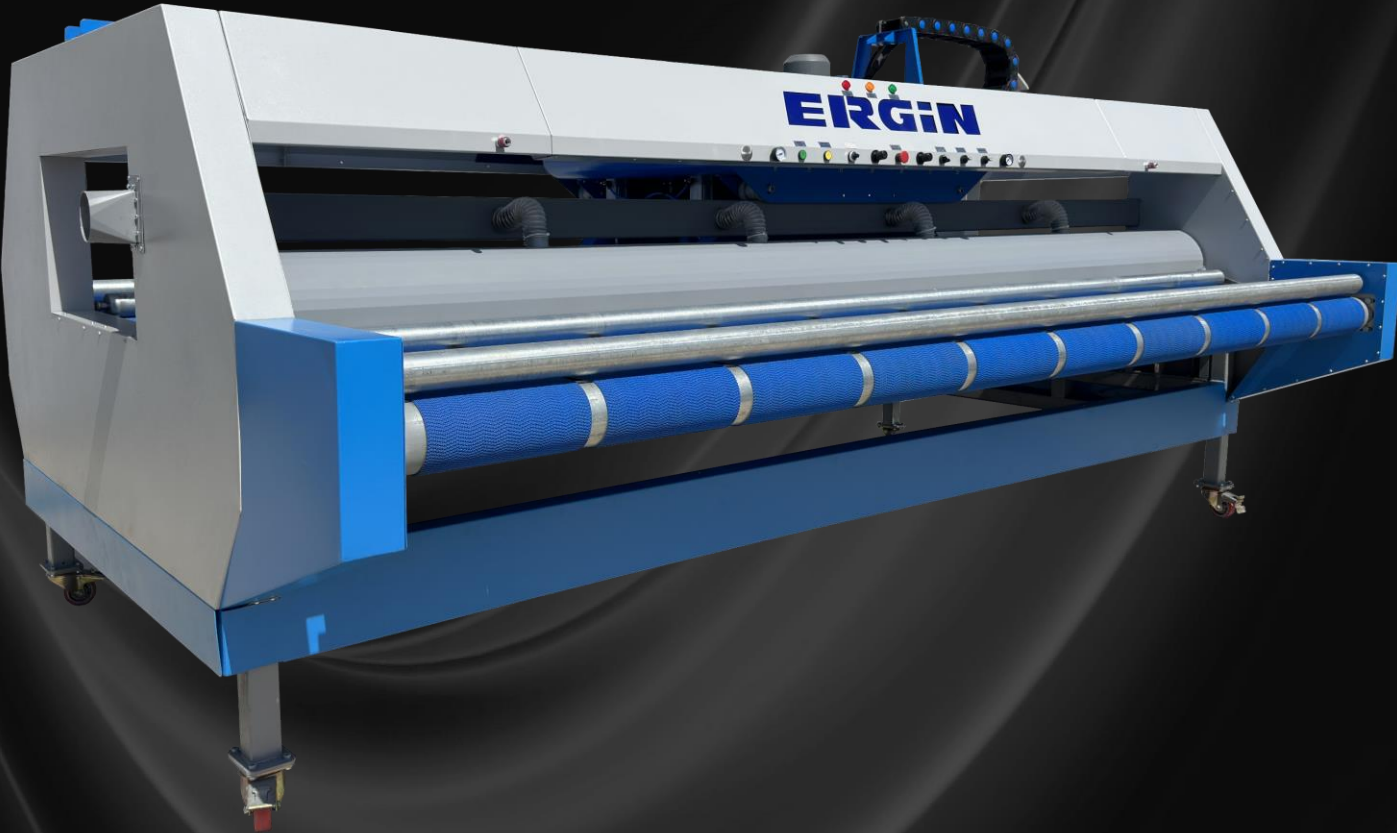
HPM SERIES CARPET FINISHING MACHINES



| Model Name | HPM 2200 | HPM 2700 | HPM 3200 | HPM 4200 | HPM 5200 |
|------------------------------|-------------|-------------|-------------|-------------|-------------|
| Max. Carpet Width | 2 meters | 2.5 meters | 3 meters | 4 meters | 5 meters |
| Brush Type | Cylindrical | Cylindrical | Cylindrical | Cylindrical | Cylindrical |
| Operating System | Time Relay | Time Relay | Time Relay | Time Relay | Time Relay |
| Automatic Reverse Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Forward – Backward Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vacuum System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dust Collecting System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpet Detection Sensor | ✓ | ✓ | ✓ | ✓ | ✓ |
| Motor Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Belt Speed Adjustment | Optional | Optional | Optional | Optional | Optional |
| Front Tub | Optional | Optional | Optional | Optional | Optional |
| Wheels | Optional | Optional | Optional | Optional | Optional |
| Automatic Transfer to Tub | Optional | Optional | Optional | Optional | Optional |



HPM SERIES FULLY AUTOMATIC CARPET FINISHING MACHINES



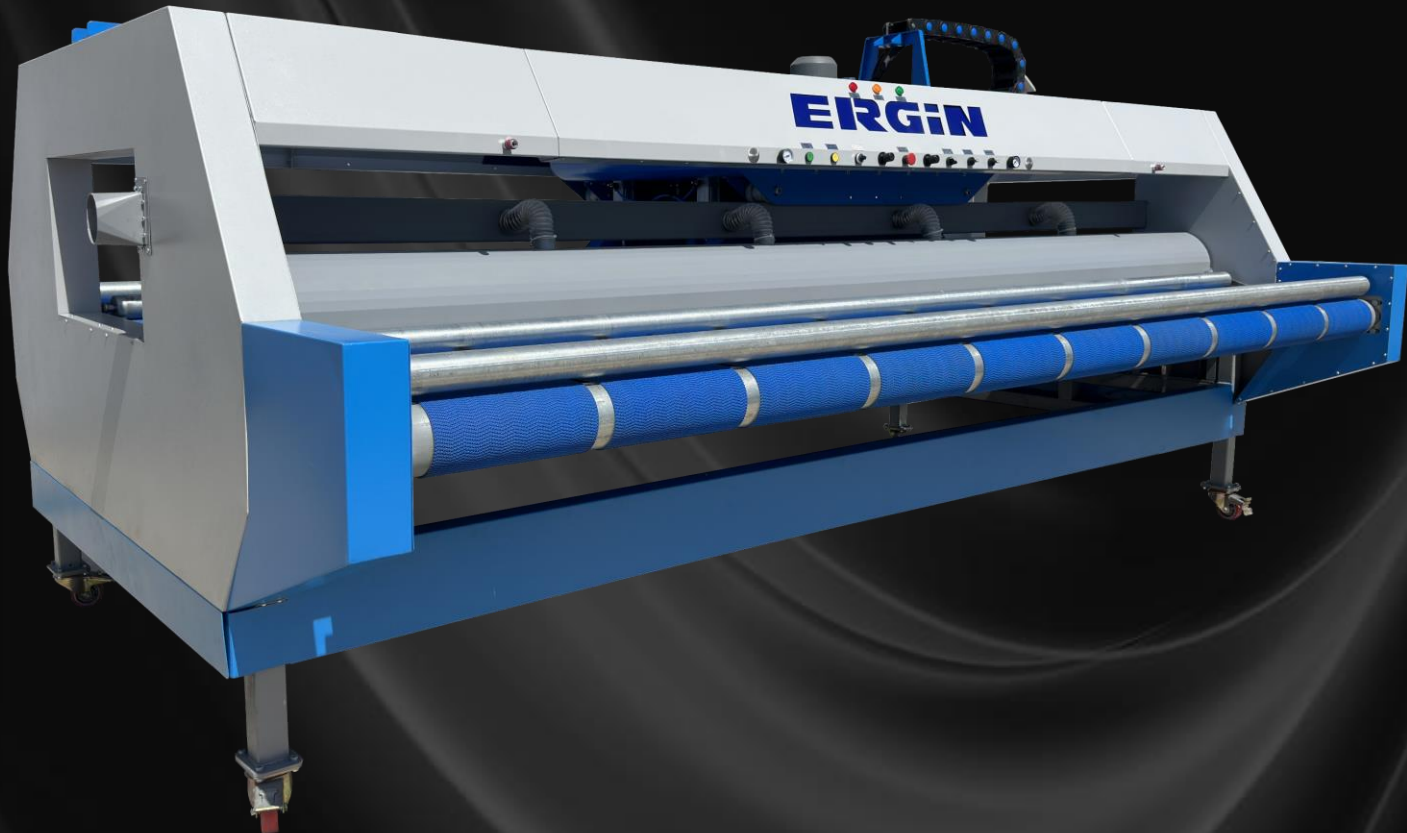
The new fully automated carpet finishing machine offers distinct advantages over its competitors. Specifically designed for high-volume carpet washing plants processing over 100 carpets daily, it features four short cylindrical brushes. An optional feature, a parallel long cylindrical brush can be added. This innovative design combines our standard carpet finishing machine with a new linear system, similar to our fully automatic carpet washing machines. The machine provides separate pressure control for the four-brush linear system. Equipped with the PLC system, it saves from manpower and energy.

With its four different modes, the fully automatic carpet finishing machine lets you choose between returning carpets to their starting position or unloading them from the rear. Beyond its core function, our finishing machine doubles as a quality check table for post-wash inspection, maximizing its utility.

We also manufacture specially designed machines with system adjustments.



HPM SERIES FULLY AUTOMATIC CARPET FINISHING MACHINES



| Model Name | HPM 2200 | HPM 2700 | HPM 3200 | HPM 4200 | HPM 5200 |
|------------------------------|---------------|---------------|---------------|---------------|---------------|
| Max. Carpet Width | 2 meters | 2.5 meters | 3 meters | 4 meters | 5 meters |
| Brush Type | 2 cylindrical | 2 cylindrical | 4 cylindrical | 4 cylindrical | 4 cylindrical |
| Brush Length | 50 cm | 50 cm | 70 cm | 70 cm | 70 cm |
| Operating System | PLC | PLC | PLC | PLC | PLC |
| Pressure System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Built-in Vacuum | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic Reverse Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Forward – Backward Operation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vacuum System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dust Collecting System | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carpet Detection Sensor | ✓ | ✓ | ✓ | ✓ | ✓ |
| Motor Protection | ✓ | ✓ | ✓ | ✓ | ✓ |
| Forward – Backward Operation | Optional | Optional | Optional | Optional | Optional |
| Parallel Cylindrical Brush | Optional | Optional | Optional | Optional | Optional |
| Vacuum for Cylindrical Brush | Optional | Optional | Optional | Optional | Optional |
| Front Tub | Optional | Optional | Optional | Optional | Optional |
| Wheels | Optional | Optional | Optional | Optional | Optional |
| Extended Front for QC | Optional | Optional | Optional | Optional | Optional |

PNEUMATIC CARPET LOADERS



Pneumatic carpet loaders are essential tools for carpet cleaning shops that primarily wash carpets on the floor, rather than using fully automated machines. These loaders are necessary in those type of shops to move wet carpets, such as to carpet wringing machines. The weight of wet carpets can be a significant challenge, but the pneumatic carpet loader offers a solution. Requiring only a compressor for operation, this loader can lift up to 250 kg. The loader is equipped with heavy-duty wheels for easy maneuverability within the carpet cleaning shop. It also features counterweights to prevent rollovers. The cylindrical rollers on the tub facilitate easy loading and unloading of carpets as needed.

The loader's body is constructed of steel, while the tub and rollers are made from 304-grade stainless steel. The body can be painted in various colors, including blue, gray, and red. Alternatively, the body can be built from other materials, such as aluminum or 304-grade stainless steel.

TUMBLE DUSTERS



The tumble duster is a powerful machine for deep cleaning dirt and residue from carpets. It thoroughly dusts them from top to bottom, reaching deep into the pile with its 27 RPM rotation. This innovative machine even tackles problems like calcification and hardening caused by poor-quality chemicals and hard water. After a tumble dust treatment, your carpets will feel incredibly soft and silky. Beyond removing dust and dirt, the tumble duster resolves surface issues like fading caused by chemicals, leaving your carpets looking practically new! This revitalization creates a positive impact on customers, as their carpets will be polished and the fibers noticeably raised (about 2-3 mm).

The tumble duster accommodates various carpet sizes and types, allowing you to toss them in together for convenient cleaning. A 10-15 minute cycle is recommended, and the machine promises to make the entire washing process 50% easier. It also promotes substantial savings on water, chemicals, and labor. Furthermore, considering the global diversity in carpet sizes, we offer custom-produced tumble dusters with tailored widths and diameters to perfectly suit your needs.

This machine is produced only on demand.



YM SERIES TEXTILE WASHING MACHINES



YM Series Textile Washing Machines are used in various settings, including hotels, dormitories, laundry facilities, and even the carpet washing industry. It's specifically designed to tackle large textile items like quilts, blankets, and other textile pieces. For unmatched durability, the inner and outer cylinder and front panel are all crafted from high-quality 304-grade stainless steel.

Beyond its robust construction, the YM Series excels in both washing and rinsing tasks. This streamlined functionality ensures smooth operation for years to come, minimizing the need for repairs or part replacements.

This machine is produced only on demand.

| Model Name | YM 40 | YM 60 | YM 80 | YM 100 |
|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Capacity | 40 kg | 60 kg | 80 kg | 100 kg |
| Forward – Backward Operation | ✓ | ✓ | ✓ | ✓ |
| Inner Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Outer Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Front Side Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Automatic Water Discharge | ✓ | ✓ | ✓ | ✓ |
| Timer | ✓ | ✓ | ✓ | ✓ |
| Chemical Tank | ✓ | ✓ | ✓ | ✓ |

TSM SERIES TEXTILE DRYING MACHINES



TSM Series Textile Drying Machines are tailor-made for swiftly drying large textiles like quilts, blankets, sheets, and even carpets. This versatile range efficiently removes excess water and chemicals after the washing process. Powered by a centrifugal system, the TSM Series ensures thorough drying while minimizing vibration and maintaining perfect balance. This is thanks to our zero-tolerance production technique, which guarantees exceptional precision and smooth operation.

This machine is produced only on demand.

| Model Name | TSM 1000 | TSM 1200 | TSM 1300 |
|-------------------------|-----------------------|-----------------------|-----------------------|
| Cylinder Diameter | 100 cm | 120 cm | 130 cm |
| Inner Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Outer Cylinder Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Power | 7,5 KW | 11 KW | 11 KW |
| Pneumatic Door | ✓ | ✓ | ✓ |
| Braking System | Manual | Manual | Manual |

AYM SERIES FISHING NET WASHING MACHINES



Pioneering in the Aegean, Black, and Mediterranean Seas, AYM Series Net Washing Machines have since become a global success, exported to numerous countries worldwide. These innovative machines offer simultaneous performance: taking clean water from the main shaft while discharging dirty water through the dedicated outlet. For enhanced versatility, AYM Series machines operate in both clockwise and counter-clockwise directions. Inside the cylinder, strategically placed breakwaters separate algae and unwanted materials from the nets, effectively discharging them with the wastewater. As with our carpet washing machines, AYM Series net washing machines are constructed from high-quality 304 stainless steel, ensuring durability and resistance.

This machine is produced only on demand.

| Model Name | AYM 600 | AYM 1000 | AYM 1200 | AYM 1500 | AYM 1800 | AYM 2000 |
|--------------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Capacity | 6 m ³ | 10 m ³ | 12 m ³ | 15 m ³ | 18 m ³ | 20 m ³ |
| Cylinder Material | 304 Stainless Steel (316 Stainless Steel Optional) | | | | | |
| Chassis Material | Painted | Painted | Painted | Painted | Painted | Painted |
| Operation | Belt with gear | Belt with gear | Chain with gear | Chain with gear | Chain with gear | Chain with gear |
| Fresh Water Inlet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dirty Water Outlet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Breakwater | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Slow Start | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| L/R Function | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

BPM SERIES FISH DESCALING MACHINES



BPM Series Fish Descaling Machines are essential tools in industrial fish farms, streamlining the pre-filleting process by efficiently removing scales. Constructed entirely of durable 304-grade stainless steel (INOX), our machines offer varying capacities ranging from 250 to 400 kilograms, catering to different processing needs. Featuring a centralized water inlet and outlet system, this machine simplifies the removal of scales which are easily discarded from the collection chamber. Adjust the processing speed with ease to match the specific type of fish you're handling, ensuring optimal results. Furthermore, thanks to the adjustable time setting, you can achieve the perfect level of descaling in the most efficient timeframe. Additionally, the integrated phase protection relay safeguards against malfunctions caused by electrical fluctuations, promoting the machine's reliability and longevity.

This machine is produced only on demand.

| Model Name | BPM 250 | BPM 500 | BPM 1000 |
|----------------------|-----------------------|-----------------------|-----------------------|
| Material | Stainless Steel (304) | Stainless Steel (304) | Stainless Steel (304) |
| Operating System | Time Relay | Time Relay | Time Relay |
| Scale Collecting Tub | ✓ | ✓ | ✓ |
| Phase Protector | ✓ | ✓ | ✓ |
| Emergency Stop | ✓ | ✓ | ✓ |
| Fresh Water Inlet | ✓ | ✓ | ✓ |
| Dirty Water Outlet | ✓ | ✓ | ✓ |



ERGIN

ORGANISED INDUSTRIAL ZONE DISTRICT 7th AVE. NO: 11
Pancar Organized Industrial Zone TORBALI / İZMİR, TURKIYE
PH: +90 (232) 257 72 27 MOBILE: +90 (544) 248 82 99
info@erginmakina.com.tr
www.erginmakina.com.tr