



INDUSTRIAL CLEANING MACHINES

# TECHNICALLY ADVANCED CLEANING MACHINES FOR INDUSTRIAL USE

TEIJO is a globally recognized brand for its commitment to producing high quality, environmentally friendly products made from recyclable stainless steel that are built to last. When we talk about durability, we mean it. A Teijo washing machine can last over 40 years. We know. We have been making them since 1967.

Our design philosophy focuses on cleaning effectiveness, energy efficiency and a long product life cycle. Customers appreciate the ease of use of our machines and the wide range of accessories available.

TEIJO cleaning machines are suitable for any industry, whether integrated into a production line to clean the surface of a product, or in repair- and service workshops where good cleaning quality is essential.

From the automotive industry to railways, marine, offshore platforms, nuclear and wind power plants, contaminants are safely and efficiently removed from components using a TEIJO cleaning machine.

CE

All TEIJO's cleaning machines are CE approved and follow applicable ISO EN standards for safety, design and usability.

The management of TEIJO Cleaning Machines Ltd is committed to complying with the requirements of the

ISO 9001:2015
 ISO 14001:2015
 ISO 45001:2023







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### TYPES OF TEIJO CLEANING MACHINES

# PAGE

### TOP-LOADING

This type of cleaning machine is effective and suitable in size for cleaning small parts up to 150 kg. The parts to be cleaned are loaded into the machine from the top.

### SINGLE-STAGE

The parts to be cleaned are loaded into the cleaning chamber from the front using a load carriage. Depending on the machine type, this can hold up to 2500 kg.

### **MULTI-STAGE**

Ensuring compliance with stringent requirements for cleanliness, surface finish and strong paint adhesion often require a multi-stage cleaning process.

### **EVO MULTI-STAGE**

The TEIJO EVO-series offers a cost-effective option when a two-stage machine is required.

### TUNNEL, CUSTOMIZED & SPECIAL

Tunnel cleaning machines (KT series) are designed for high-capacity applications and are equipped with a conveyor that runs through the machine.

### VERSATILE APPLICABILITY

TEIJO machines improve process efficiency and cost effectiveness while ensuring compliance with surface cleanliness standards. Each machine can be customized to meet specific customer requirements.

In many industrial applications, the use of fresh water and an alkaline detergent is sufficient for effective surface cleaning. Common applications include

- · Degreasing of steel products before welding
- Cleaning engines before reconditioning
- · Decarbonizing engine blocks and cylinder heads before refurbishment
- · Removing oil, grease and corrosion inhibitors before machining
- · Cleaning of machine parts and press tools
- · Washing and anti-corrosion treatment before and after intermediate storage
- · Cleaning of components for final assembly
- · Removing storage wax from steel products prior to welding

### KEY INDUSTRIES SERVED

Teijo Cleaning Machines are designed to meet the specific cleaning requirements of a number of key industrial sectors.

### **Engineering Sector:**

- Manufacture of cars and trucks, repair- and service workshops
- Aircraft and aerospace engine manufacture
- Electrical components and motor manufacture
- · Pneumatic and hydraulic systems
- Hardening plants
- Paint shops

### Other Key Sectors:

- Chemical and Process industry
- Metal Fabrication
- Military Production & Depot Workshops
- Military and commercial airbase workshops
- Naval production & maintenance
- Railway maintenance facilities
- Repair workshops
- Wood and paper processing (sawmills)

# OPERATIONAL POLICY

We develop our operations continuously and goal-oriented with the full commitment of our employees to increase customer satisfaction, improve workplace safety, develop healthy working conditions and reduce our environmental footprint. We value systematic ways of working and favor partners who minimize their environmental footprint. We are committed to eliminating hazards in our work environment and complying with the laws and regulations that apply to our operations.

### The pillars of our business are:

- · Reliable and functional customized solutions
- · Qualified, dedicated and committed personnel
- · A healthy and safe working environment
- Respect for the environment in our day-to-day operations

# O J R PROMSE

PERFORMANCE QUALIT SAFET FEATURES DURABILITY USER-FRIENDLINESS CUSTOMIZED DESIGN MINIMAL MAINTENANCE SERVICEABILITY **ECO-FRIENDLY** CONFORMANCE

- Advanced filtration maximizes the lifetime of the cleaning fluid.
- Effective insulation minimizes heat loss and noise
- Low detergent consumptio keeps operational costs low
- Pump shut-off valve allows maintenance without draining the tank

The machine shown in the picture is equipped with additional accessories.

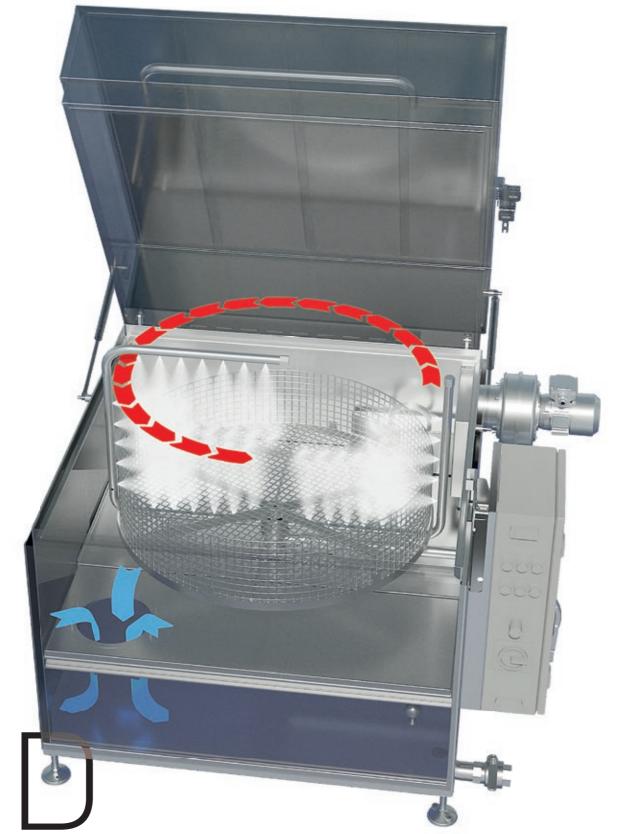


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# WATER-BASED CLEANING METHOD

Understanding the principles of water-based cleaning allows you to tackle cleaning challenges in the most effective and environmentally responsible way. At Teijo Cleaning Machines Ltd we are committed to innovation, sustainability and the future of the industry. That is why our cleaning machines are designed to use alkaline detergents without compromising our customers' demanding cleaning results and without harming the environment.

Teijo cleaning systems minimize environmental impact by separating waste such as oil for energy production, while reducing the overall footprint and ensuring that materials can be efficiently recycled and reused.



In a Teijo cleaning machine, cleaning fluid circulates in a closed system, where it is continuously filtered and reused.

The cleaning fluid is a mixture of water and 1-5% detergent, depending on the level of component contamination.

### The life of the cleaning fluid varies from one week to several months and is influenced by factors such as:

- · Level of component contamination
- Utilization rate
- · Type of process
- · Required cleaning standard
- Filtration efficiency
- · Oil separation system

LLUSED SYSTEM

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- Closed-loop circulation of cleaning fluid ensures safety and environmental sustainability
- Sealed cleaning chamber with optional efficient vapor removal prevents vapors from contaminating the working environment
- · Most alkaline detergents are biodegradable.
- Oil removed from cleaned components can be effectively separated from the cleaning fluid with an optional oil separator
- Electronic lid safety lock ensures safe operation during the cleaning process.

### SERVICES

TEIJO offers a wide range of additional services to ensure the long-term reliability and optimum performance of our machines throughout their entire life cycle.

### Our comprehensive range of services includes:

- · Maintenance: Regular maintenance to keep your machines running smoothly.
- Spare parts supply: Fast and reliable access to genuine spare parts.
- Product support: Expert assistance to help you get the most out of your equipment.
- · Modernizations: Upgrades to extend machine capabilities or improve efficiency.
- · Cleaning Tests: Testing services to verify cleaning results and optimize performance.

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These services are designed to give our customers peace of mind and keep their operations running efficiently



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### Features and benefits

The parts to be cleaned are loaded into the cleaning chamber from the top by means of a loading basket, loading grid or loading table.

This type of cleaning machine is effective and suitable for cleaning small parts.

The operator controls the cleaning process using a timer, thermostat and dedicated switches (e.g., heating, oil skimming) located on the electrical control panel.

The machine is constructed from stainless steel for durability and long-lasting performance.

### TOP LOADING

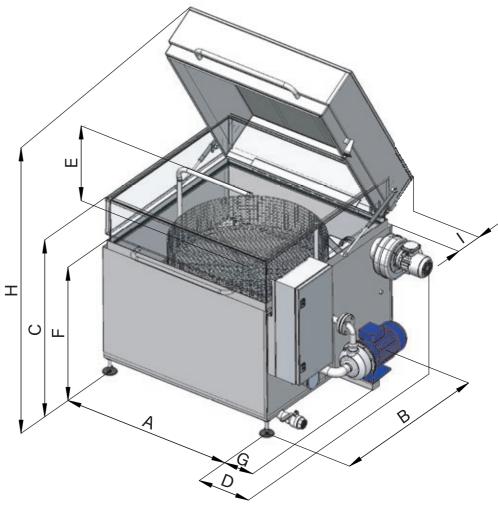
### Selecting a model

The correct cleaning machine model is determined by the dimensions of the component to be cleaned, taking into account its height and diameter or height and crosssection.

The model number indicates the diameter of the spray pipe's rotation circle (e.g., TL-900SS = Ø 900 mm), which determines the maximum cross-section of the component that can be cleaned.

The maximum component height is 430 mm.





### Main dimensions (mm)

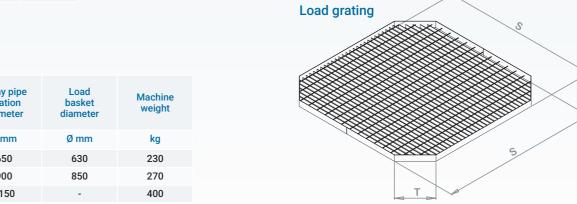
	Width	Depth	Height	Width	Cleaning height	Working height	Width	Height	Depth
Model	Α	В	С	D	E	F	G	Н	1
TL-650SS	900	900	1070	340	430	780	280	1985	235
TL-900SS	1100	1100	1070	340	430	780	280	2010	235
TL-1150SS	1350	1350	1070	340	430	780	280	2150	235

Load grating								
S	Т							
-	-							
-	-							
950	260							

### **Technical specifications**

	Apparent	Apparent Fuses *	Fluid	tank		Pump				
	power	Fuses*	Heating power	Volume	Flow	Pressure	Motor			
Model	kVA	Α	kW	1	l/min	bar	kW			
TL-650SS	8	3 x 16	6	200	200	2,5	1,85			
TL-900SS	11	3 x 25	9	350	230	2,3	1,85			
TL-1150SS	11	3 x 25	9	550	250	2,2	1,85			

Spray pipe rotation diameter	Load basket diameter	Machine weight
Ø mm	Ø mm	kg
650	630	230
900	850	270
1150	-	400



<sup>\*</sup>For machines with 3 x 400 V, 50 Hz supply. Other voltages and frequencies can also be delivered.



# SINGLE-STAGE

**CLEANING MACHINES** 

### Features and benefits

This machine performs a single stage cleaning process, making it a cost-effective solution for components requiring surface cleaning only. However, a range of accessory options are available to increase cleaning efficiency, optimizing labor, energy and water consumption while ensuring compliance with strict environmental regulations.

Parts are loaded from the front into the machine using a load carriage with a capacity of up to 2,500 kg. Depending on the model, the machine can be equipped with either a hinged door (KD, limited product range) or a pneumatic lift door (PD). The cleaning cabinet is available in heights of 550 mm, 800 mm or 1200 mm.

The operator controls the cleaning process via a timer, thermostat and dedicated switches (e.g., heating, oil skimming) located on the electrical control panel.

The machine is constructed from stainless steel for durability and longlasting performance.



### Selecting a model

The correct cleaning machine model is determined by the dimensions of the component to be cleaned, taking into account its height and diameter or height and crosssection.

The model number indicates the diameter of the spray pipe's rotation circle (e.g., C-1600SS = 1600 mm), which determines the maximum cross-section of the component that can be cleaned.

### The maximum component height is either

- 550 mm (C-800SS-KD/PD)
- 800 mm (e.g., C-1000SS-KD/PD)
- 1200 mm (e.g., C-1000HSS-KD/PD)



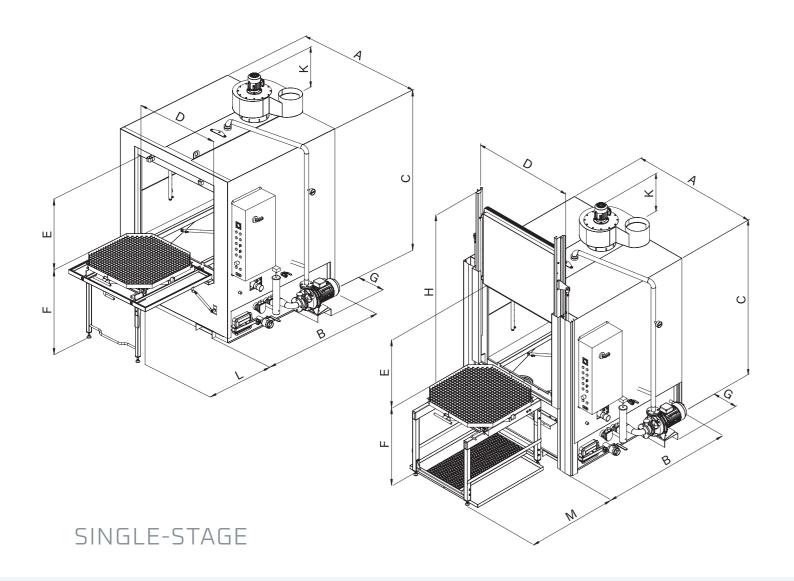
### **Technical specifications**

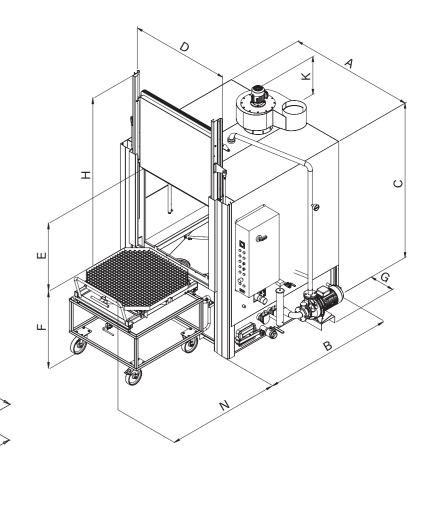
	Apparent	Forest	Fluid	l tank	Pump				
	power	Fuses*	Heating power	Volume	Flow	Pressure	Motor		
	kVA	Α	kW	1	l/min	bar	kW		
C-800SS-KD/PD	14	3 x 25	9	350	200	4,0	4,0		
C-1000SS-KD/PD	17	3 x 32	12	650	230	4,0	4,0		
C-1000HSS-KD/PD	17	3 x 32	12	650	250	4,0	4,0		
C-1200SS-KD/PD	19	3 x 32	18	800	350	4,0	4,0		
C-1200HSS-KD/PD	19	3 x 32	18	800	370	4,0	5,5		
C-1600SS-KD/PD	25	3 x 50	24	1300	380	4,0	5,5		
C-1600HSS-KD/PD	25	3 x 50	24	1300	400	4,5	7,5		
C-2000SS-PD	37	3 x 63	36	1900	430	4,5	7,5		
C-2000HSS-PD	37	3 x 63	36	1900	450	4,5	7,5		
C-2600SS-PD	49	3 x 80	48	3100	660	4,5	11,0		
C-2600HSS-PD	49	3 x 80	48	3100	700	4,5	11,0		

	dimensions nponent(s)	Maximum	Machine
Ø	Height	load	weight
mm	mm	kg	kg
690	550	500	400
890	800	500	650
890	1200	500	750
1090	800	700	750
1090	1200	700	850
1390	800	700	1000
1390	1200	700	1100
1790	800	1000	1300
1790	1200	1000	1500
2390	800	2500	2000
2390	1200	2500	2200

Single-stage cleaning machine with hinged door serving as a load platform

<sup>\*</sup> For machines with 3 x 400 V, 50 Hz supply. Other voltages and frequencies can also be delivered.





### Main dimensions (mm)

	Width	Depth	Height	Door width	Washing chamber height	Working height	Width
	Α	В	С	D	E	F	G
C-800SS-KD/PD	1150	1200	1600/1750	700	550	800	400
C-1000SS-KD/PD	1400	1500	2000/2150	900	800	930	400
C-1000HSS-KD/PD	1400	1500	2400/2550	900	1200	930	400
C-1200SS-KD/PD	1600	1700	2000/2150	1100	800	930	400
C-1200HSS-KD/PD	1600	1700	2400/2550	1100	1200	930	400
C-1600SS-KD/PD	1900	2000	2000/2150	1400	800	930	400
C-1600HSS-KD/PD	1900	2000	2400/2550	1400	1200	930	400
C-2000SS-PD	2300	2400	2000/2150	1800	800	930	400
C-2000HSS-PD	2300	2400	2400/2550	1800	1200	930	400
C-2600SS-PD	2900	3000	2000/2150	2400	800	930	400
C-2600HSS-PD	2900	3000	2400/2550	2400	1200	930	400

Height	Height	Length KD-model	Length	Length	Load g	rating
Н	K	L	M	N	S	Т
2350	500	750	850	900	655	220
3050	500	1100	950	1050	870	220
3850	500	-	950	1050	870	220
3050	500	1100	1050	1150	950	260
3850	500	1500	1050	1150	950	260
3050	500	1100	1350	1550	1250	270
3850	500	1500	1350	1550	1250	270
3050	500	-	1650	1800	1550	300
3850	500	1500	1650	1800	1550	300
3150	530	-	2200	-	2010	315
3950	530	-	2200	-	2010	315

Load grating



### Features and benefits

This machine performs multiple stages of cleaning, making it an ideal solution for components that require thorough surface cleaning. The cleaning machine is equipped with 2 or 3 liquid tanks. Various accessory options are available to increase cleaning efficiency, optimizing labor, energy and water consumption while ensuring compliance with strict environmental regulations.

Parts are loaded into the machine from the front using a load carriage with a capacity of up to 3,000 kg. The machine is equipped with a pneumatic lift door (PD) as standard, with the option to add a second if required. The cleaning cabinet is available in heights of 800 mm or 1200 mm.

The operator controls the cleaning process via a Programmable Logic Controller (PLC), which includes a display for easy operation.

The machine is constructed from stainless steel for durability and longlasting performance.

> MULTI-STAGE

> > **CLEANING MACHINES**

### Comprehensive cleaning stages and applications

High demands on cleanliness, surface quality and adhesion in painting often require the use of a multi-stage cleaning process.

### Cleaning applications in industrial production, for example

- Alkaline washing and rinsing (2-3 stages)
- Wax removal and rinse (2-4 stages)
- · Phosphating/conversion coating (2-5 stages)

### Pre-wash

· if necessary, before main wash

### Washing (detergent and tap water)

- Degreasing of steel products before Iron/zinc phosphating/painting
- Cleaning of engines during refurbishment
- Decarbonization of engine blocks and cylinder heads before renovation
- Removal of corrosion inhibitors before machining/welding
- Washing of machine parts
- Cleaning of press tools
- Washing and corrosion protection before and after storage
- Washing of components before final assembly
- Removal of wax from polished products before packing

### Rinsing (with tap water, which may or may not contain inhibitor or low detergent content)

- · Removes detergent residue from washed component
- Iron/zinc phosphating of steel products prior to painting

### MULTI-STAGE

### Selecting a model

The correct cleaning machine model is determined by the dimensions of the component to be cleaned, taking into account its height and diameter or height and cross-section.

The model number indicates the diameter of the spray pipe's rotation circle (e.g., C-1600SS =  $\emptyset$  1600 mm), which determines the maximum cross-section of the component that can be cleaned.

### The maximum component height is either

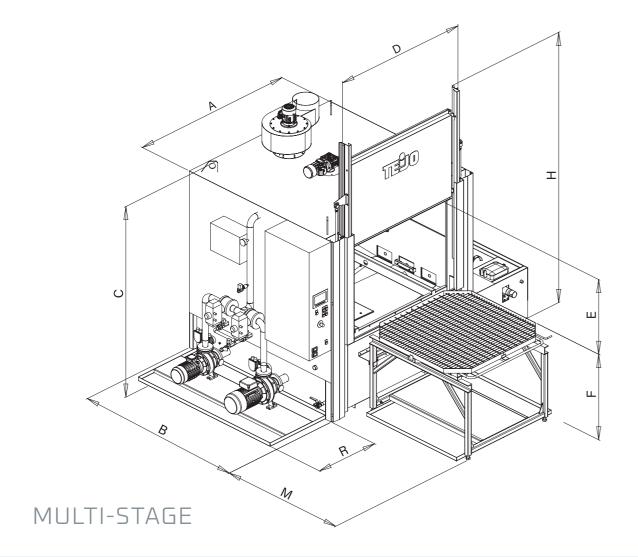
- 800 mm (e.g., C-1000-22SS-PD)
- 1200 mm (e.g., C-1000-22HSS-PD)

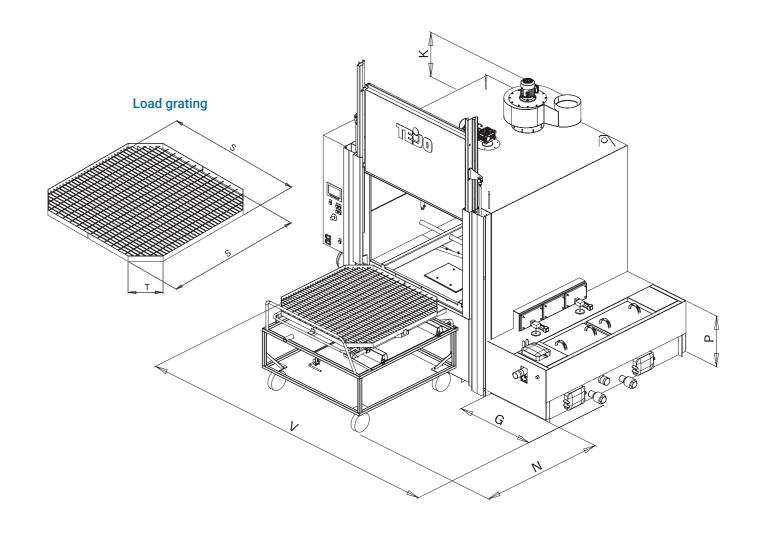


### **Technical specifications**

	Apparent	Fuses*			Fluid	tanks					Pur	mps			Maximum dimensions of component(s)		Max. load	Machine weight
	power	1 4000	Hea	ting capacity	kW		Tank volume	ı	Capaci	apacity I/min Pressure bar		ure bar	Moto	or kW	Ø	Height	kg	kg
	kVA	Α	Tank 1	Tank 2	Tank 3	Tank 1	Tank 2	Tank 3	Tank 1	Tank 2, 3	Tank 1	Tank 2, 3	Tank 1	Tank 2, 3	, o	rieigiit	ĸg	ĸġ
2-stage cleaning n	nachines																	
C-1000-22SS	28	3 x 50	18	9	-	550	350	-	250	190	4,1	2,5	4,0	2,2	890	800	700	900
C-1000-22HSS	28	3 x 50	18	9	-	550	350	-	280	230	4,0	2,4	4,0	2,2	890	1200	700	980
C-1200-22SS	37	3 x 63	24	12	-	900	600	-	270	220	4,0	2,4	4,0	2,2	1090	800	700	1000
C-1200-22HSS	37	3 x 63	24	12	-	900	600	-	400	250	4,1	2,3	5,5	2,2	1090	1200	700	1100
C-1600-22SS	49	3 x 80	24	24	-	960	800	-	450	300	4,0	2,7	5,5	3,0	1390	800	1000	1350
C-1600-22HSS	49	3 x 80	24	24	-	960	800	-	500	330	4,5	2,6	7,5	3,0	1390	1200	1000	1500
C-2000-22SS	61	3 x 100	36	24	-	1500	900	-	530	380	4,5	2,3	7,5	3,0	1790	800	2000	1800
C-2000-22HSS	61	3 x 100	36	24	-	1500	900	-	550	440	4,4	2,1	7,5	3,0	1790	1200	2000	2000
C-2600-22SS	85	3 x 160	48	36	-	2200	1500	-	660	510	4,5	2,8	11,0	4,0	2390	800	3000	2400
C-2600-22HSS	85	3 x 160	48	36	-	2200	1500	-	750	570	4,4	2,6	11,0	4,0	2390	1200	3000	2700
3-stage cleaning n	nachines																	
C-1600-33SS	61	3 x 100	24	12	24	700	600	450	450	300	4,0	2,7	5,5	3,0	1390	800	1000	1450
C-1600-33HSS	61	3 x 100	24	12	24	700	600	450	500	330	4,5	2,6	7,5	3,0	1390	1200	1000	1600
C-2000-33SS	61	3 x 100	24	12	24	1000	800	600	530	380	4,5	2,3	7,5	3,0	1790	800	2000	1900
C-2000-33HSS	61	3 x 100	24	12	24	1000	800	600	550	440	4,4	2,1	7,5	3,0	1790	1200	2000	2100
C-2600-33SS	85	3 x 160	36	24	24	1500	1200	1000	660	510	4,5	2,8	11,0	4,0	2390	800	3000	2600
C-2600-33HSS	85	3 x 160	36	24	24	1500	1200	1000	750	570	4,4	2,6	11,0	4,0	2390	1200	3000	2900

<sup>\*</sup> For machines with 3 x 400 V, 50 Hz supply. Other voltages and frequencies can also be delivered.





### Main dimensions (mm)

	Width	Depth	Height	Door width	Washing chamber height	Working height	Width
	Α	В	С	D	E	F	G
C-1000-22SS	1400	1500	2200	900	800	930	800
C-1000-22HSS	1400	1500	2600	900	1200	930	800
C-1200-22SS	1500	1600	2200	1100	800	930	800
C-1200-22HSS	1500	1600	2600	1100	1200	930	800
C-1600-22SS/33SS	1900	2000	2200	1400	800	930	800
C-1600-22HSS/33HSS	1900	2000	2600	1400	1200	930	800
C-2000-22SS/33SS	2300	2415	2200	1800	800	930	800
C-2000-22HSS/33HSS	2300	2415	2600	1800	1200	930	800
C-2600-22SS/33SS	2900	3000	2200	2400	800	930	800
C-2600-22HSS/33HSS	2900	3000	2600	2400	1200	930	800

Height	Height	Length	Length	Height	Width	Load g	Load grating	
Н	K	M	N	Р	R	S	Т	V
3050	500	950	1050	700	750	870	220	3080
3850	500	950	1050	700	750	870	220	3080
3050	500	1050	1150	700	750	950	260	3180
3850	500	1050	1150	700	750	950	260	3180
3050	500	1350	1550	700	800	1250	270	3630
3850	500	1350	1550	700	800	1250	270	3630
3050	500	1650	1800	700	950	1550	300	4180
3850	500	1650	1800	700	950	1550	300	4180
3150	530	2200	-	700	980	2010	315	4810
3950	530	2200	-	700	980	2010	315	4810



# EVOMU STAGE

**CLEANING MACHINES** 

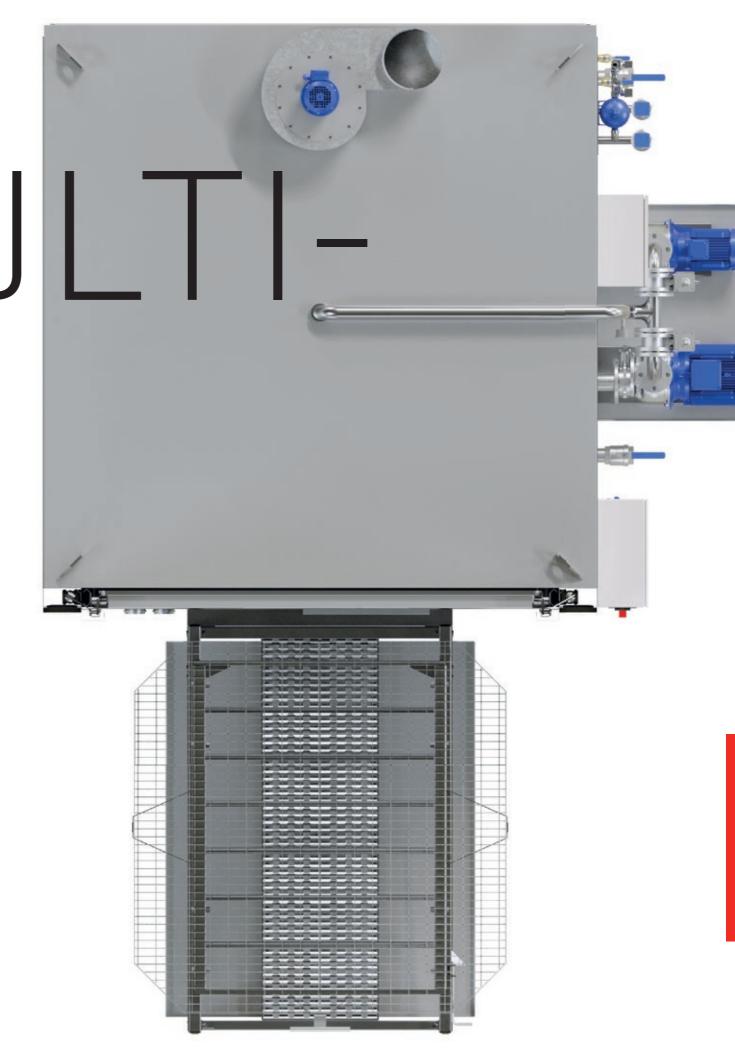
### Features and benefits

The EVO Series provides a cost-effective solution for applications requiring a multi-stage cleaning process. A compact version of the multi-stage machine, with 2 liquid tanks below the cleaning chamber, the EVO is perfect for space-constrained environments, while offering the same high performance cleaning capabilities as the Multi-Stage model.

Various accessory options increase efficiency, optimizing labor, energy and water consumption while ensuring compliance with strict environmental regulations.

Parts are loaded from the front using a load carriage with a capacity of up to 2,000 kg. The standard configuration includes a pneumatic lift door (PD), with the option to add a second if required. The cabinet is available in heights of 800 mm or 1200 mm.

The operator controls the process via a programmable logic controller (PLC) with a user-friendly display. The EVO Series is constructed from stainless steel for durability and long-lasting performance.



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### EVO MULTI-STAGE

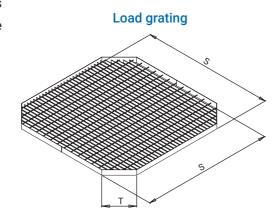
### Selecting a model

The correct cleaning machine model is determined by the dimensions of the component to be cleaned, taking into account its height and diameter or height and cross-section.

The model number indicates the diameter of the spray pipe's rotation circle (e.g. C-1600SS = Ø 1600 mm), which determines the maximum cross-section of the component that can be cleaned.

### The maximum component height is either:

- 800 mm (e.g., C-1600-22SS-PD)
- 1200 mm (e.g., C-1600-22HSS-PD)



### **Technical specifications**

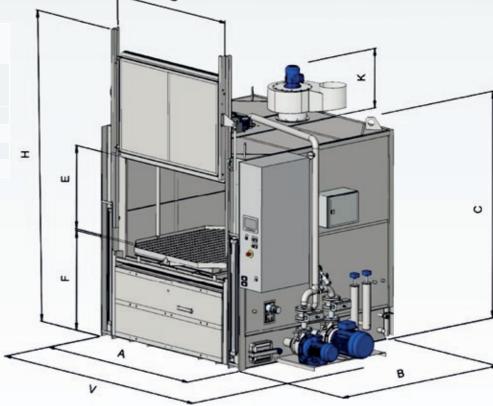
	Apparent	F		Fluid t	tanks		Pumps					
	power	Fuses	Heating capacity kW		Tank volume I		Capacity I/min		Pressure bar		Motor kW	
	kVA	Α	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2
C-1600-22SS	37	3 x 80	24	12	800	515	450	300	4,0	2,7	5,5	3,0
C-1600-22HSS	37	3 x 80	24	12	800	515	500	330	4,5	2,6	7,5	3,0
C-2000-22SS	49	3 x 100	36	24	1300	680	530	380	4,5	2,3	7,5	3,0
C-2000-22HSS	49	3 x 100	36	24	1300	680	550	440	4,4	2,1	7,5	3,0

### Main dimensions (mm)

	Width	Depth	Height	Door width	Washing chamber height	Working height	Height	Height	Load grating		Width
	Α	В	С	D	Е	F	Н	K	S	Т	V
C-1600-22SS	1900	2000	2200	1400	800	930	3050	500	1250	270	2600
C-1600-22HSS	1900	2000	2600	1400	1200	930	3850	500	1250	270	2600
C-2000-22SS	2300	2415	2200	1800	800	930	3050	500	1550	300	3000
C-2000-22HSS	2300	2415	2600	1800	1200	930	3850	500	1550	300	3000



dimen	imum sions of ed parts	Max. load	Machine weight		
Ø	Ø Height		kg		
mm	mm	kg	9		
1390	800	1000	1300		
1390	1200	1000	1400		
1790	800	2000	1500		
1790	1200	2000	1700		



## TUNNEL CLEANING MACHINES

The KT Series tunnel washers are designed for high-capacity applications and feature a conveyor system that efficiently transports components through the cleaning chamber.

Designed for seamless integration into production lines, these machines are typically configured with one or more cleaning stages. Additional features, such as a drying stage, can be incorporated to meet specific requirements.

Each tunnel washer is fully customizable to meet precise customer specifications, ensuring optimum performance in a wide range of industrial cleaning applications.

The KT Series is constructed from stainless steel for durability and long-lasting performance.

### The KT Series can be controlled

- · via a Programmable Logic Controller (PLC) with a user-friendly display.
- via a timer, thermostat and dedicated switches
   (e.g., heating, oil skimming) located on the electrical panel.





# CUSTOMIZED & SPECIAL CLEANING MACHINES

Whether you need a compact unit or a large-scale system, we can design and manufacture a customized cleaning machine to match your specific size, capacity and functionality requirements. We have supplied washing machines to Flexible Manufacturing Systems (FMS), as well as to fully robotized production cells.

Whatever your cleaning requirements - strict standards, high-throughput environments or industry-specific challenges - we design and build effective solutions.

With Teijo, you're not just getting a machine - you're getting a solution that works for you now and in the future.

### ACCESSORIES

Option	Description	Top- loading	Single- Stage	Multi- Stage	Evo	Tunnel
Two lifting doors	Additional door on the opposite side of the cleaning cabinet, for continuous process.	-	0	0	o	0
Enhanced height	Customized cleaning cabinet's height.	o	0	0	0	o
Safety strip	Safety feature for detecting any obstacle in the doorway which prevents door from closing.	-	0*	0*	0*	0*
Steam extractor	Extracts steam from the cleaning cabinet.	0	0	0	0	0
Steam condenser	Extracts steam from the cleaning cabinet and returns it to the liquid tank.	-	0	0	o	0
Integrated drying unit	For drying cleaned parts.	0	0	0	0	o
Oil skimmer	Removes oil separated on the liquid surface after cleaning is over.	0	0	0	0	0
Oil separator	Removes oil separated on the liquid surface during cleaning process.	0	0	0	0	0
Filter basket	Filters out foreign particles during cleaning.	s	s	s	s	s
Filter unit	Retains fines and oil from the cleaning liquid.	-	0	0	0	0
Filter bags	Retains small particles. Improves filtration rate.	0	0	0	0	0
Magnet bar separator	Retains ferrous chips.	0	0	0	0	0
Automatic water refill	Maintains the optimal level of liquid in the tank.	0	0	s	0	0
Overflow safety device	Prevents overfilling the liquid tank.	-	0	0	0	0
Emptying pump	Empties the liquid tank.	-	0	0	0	0
Liquid detergent dispenser	Automatic dosing of the liquid detergent.	0	0	0	0	0
Load carriage	For loading the parts to be cleaned.	-	s	s	s	

s) standard equipment

Option	Description	Top- loading	Single- Stage	Multi- Stage	Evo	Tunnel
Load grating	For loading the parts to be cleaned.	-	s	s	s	-
Load basket	For loading the parts to be cleaned.	s	-	-	-	-
Load platform	Support the parts before and after cleaning.	-	0*	0*	0*	-
Load trolley	For carrying the parts inside the facility.	-	0	0	o	0
Load table	For loading the parts to be cleaned.	s	-	-	-	-
Heavy duty	Loading/unloading transportation accessories for heavy parts.	-	0	0	0	0
Chain conveyor	Transports the load into and out from the cleaning cabinet	-	0*	0*	0*	0
Net conveyor	Transports within the cleaning cabinet	-	-	-	-	s
T-roller conveyor	For loading/unloading the parts in a continuous production line.	-	0*	0*	0*	0
Chip conveyor	Transports the waste out from the cleaning cabinet	-	0	0	0	0
Separated rinse spray system	Separate fixed spray pipe for mist rinse	-	0	0	0	0
Oscillating spray pipes	Precise movement to ensure continuous and uniform spraying of the parts.	-	0	0	0	-
Spray nozzle	Increases washing liquid's surface area and create impact force on the parts' surface.	0	0	0	0	0
Motorized rotation of upper spray pipe	Assures steady rotation of the spray pipe.	-	0	s	0	0
Air gun	Operated by compressed air, removes the liquid from the cleaned parts' surface.	o	o	0	o	-
Suction gun	Extracts small quantities of liquid from the cleaned parts' surface.	-	0	0	0	-
Spray lance	For pre-cleaning the parts.	-	0	0	0	-

s) standard equipment

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o) optional equipment

<sup>-)</sup> equipment not available

<sup>\*)</sup> equipment available for cleaning machines equipped with lift door

o) optional equipment

<sup>-)</sup> equipment not available

<sup>\*)</sup> equipment available for cleaning machines equipped with lift door





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