

CONTAINER LINE 200

Washing of 200 l handling carts

- ▶ Machine provides circulation washing of handling carts with washing liquid from the tank with the final rinse with clean water.
- ▶ Design of the basic machine – one position with nominal capacity ca 40 carts / hour according to the degree of pollution and rinsing with fresh water.
- ▶ More positions or continuous version of the machine on request according to the capacity requirements
- ▶ Washing is provided thanks to a rotating spraying system.
- ▶ Automatic control of rotor position.
- ▶ Automatic control of door opening.
- ▶ Tipping over at an angle of more than 90° ensures good drainage of water from the cart.
- ▶ Removable washing and rinsing nozzles in stainless steel.
- ▶ Construction, covering and used aggregates are all in stainless steel DIN 1.4301.
- ▶ Operation of the machine in accordance with the increasing demands for environmental protection.
- ▶ Automatic regeneration of washing solution includes basic double filtration.
- ▶ Easy cleaning and maintenance of the machine thanks to spacious doors.
- ▶ Wide range of the additional equipment according to specific requirements.



The technical parameters of the depicted machine:

	Parameter	Heating of the tank – steam directly	Heating of the tank - electrical
Nominal capacity:	pcs / hour	ca 40 ^{*1)}	ca 40 ^{*1)}
Dimensions of container max:	L x W x H mm	690 / 670 / 700	690 / 670 / 700
Overall dimensions:	L x W x H mm	3470 / 2260 / 2500	3470 / 2260 / 2500
Number of jets:	washing pcs / rinsing pcs	20 / 10	20 / 10
Type of jets:	Drilled hole/ flat jet	flat jet	flat jet
Rotary jet arm:	yes / no	yes	yes
Rinsing jets on separate rinsing ring:	yes / no	yes	yes
Volume of washing tank:	l	500	500
Washing pump:	kW / m3 / bar	15 / 32 / 12	15 / 32 / 12
Conveyor drive:	kW	0,37	0,37
Electrical heating of the tank:	kW	--	30
Installed power:	kW	15,37	45,37
Operating voltage:	V,Hz	3/N/PE 400,50	3/N/PE 400,50
Water consumption:	l / container	ca. 6 l	ca. 6 l
Steam consumption:	kg / hour	ca 30	--
Compressed air consumption:	l / hour	ca 350	ca 350
Connection waste:	DN	50	50
Connection vapour exhaust:	DN	200	200
Connection steam:	coul	3/4	--
Connection water:	coul	3/4	3/4
Connection compressed air:	coul	1/4	1/4
Weight:	kg	650	650

^{*1)} According to the degree of pollution and rinsing with fresh water

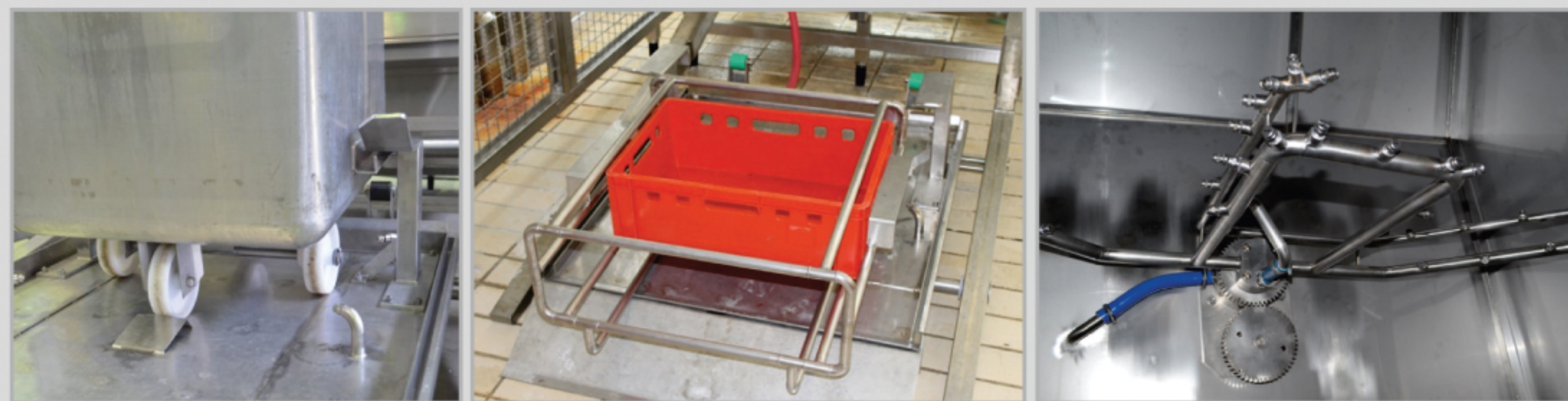
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Chamber spraying washing machine CONTAINER LINE 200

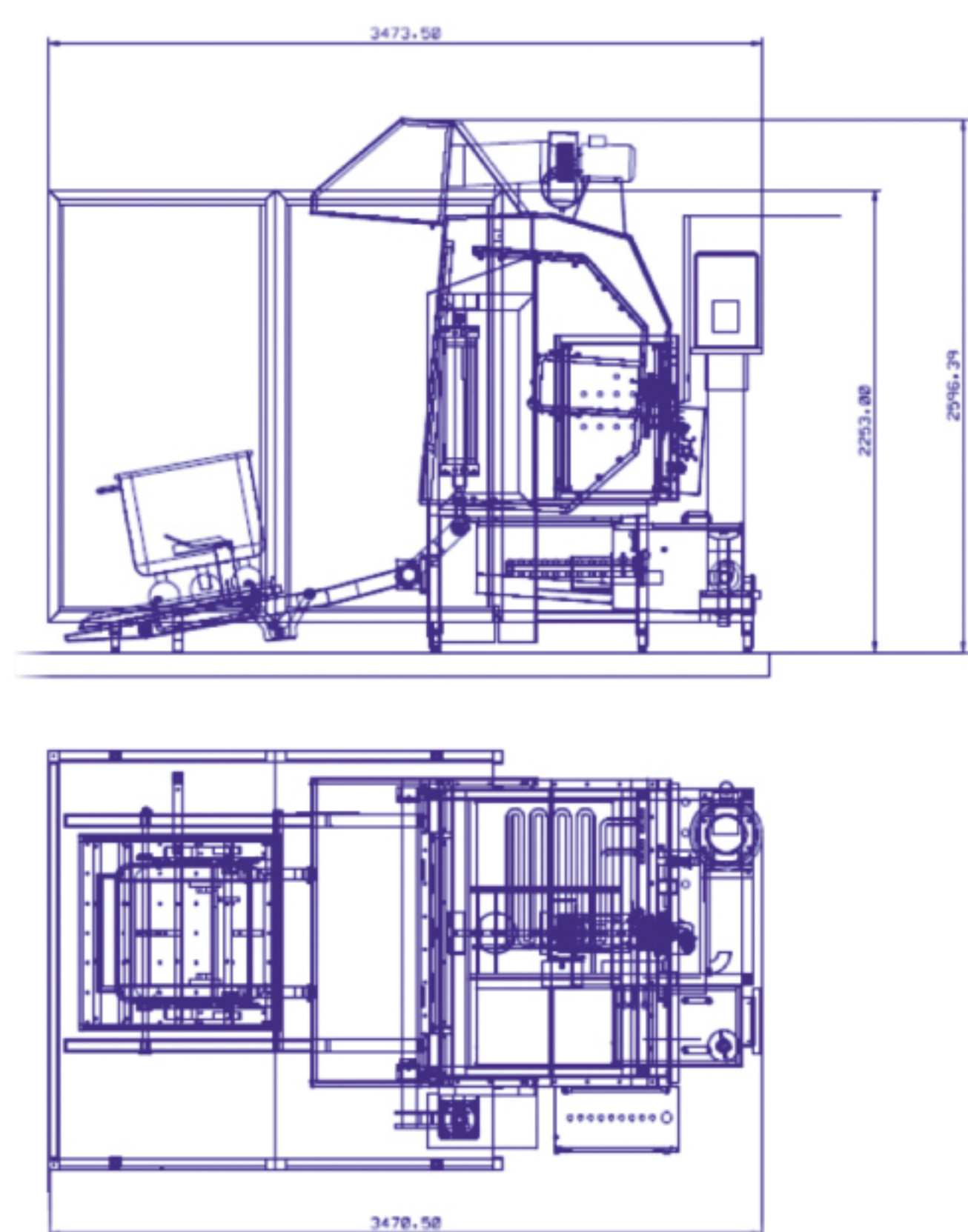
Photos and details of machine:



Technological process of the depicted machine:

- 1 Operator opens the security gate and takes container into fixation device on door of machine and after fixation closes security gate. Then choose required wash program. Closing the door automatically after starting a cycle. Closing is secure by a pneumatic piston.
- 2 Main circulation wash from the tank is running in closed cycle of washing liquid and it's continuous two stage filtration. Time of main washing and final rinsing is adjustable. Rotor driven by an electric motor with optimally selected jets rotates around the washed container. After the set time of the main washing follow rinsing with clean hot water heated to 85 °C with an optimum setting time of rinsing. If there is not heated rinsing water can be used OPTION rinsing boiler or use a larger amount of cold water.
- 3 Filtration of washing liquid is ensured with inserted filtration sieve in the main flow of the washing liquid before to the tank and protective suction sieve of pump. Washing liquid is heated and kept at a required temperature by chosen type heating. Tank level is automatically controlled by level sensors and water is automatically filled from the final rinse with clean water, thanks to this function is ensured automatic regeneration of liquid, or water is filling directly from the infeed pipe.
- 4 After washing program will automatically open the door and the operator may, after opening security gates, remove washed container.

Depicted layout of the machine included additional equipment:



Optional additional equipment:

- + Vapors exhaust from the machine.
- + Vapors exhaust from the machine and in front the machine.
- + Prewash of carts and drainage of waste water to the waste.
- + Heating of the tank by steam register instead of steam directly.
- + Rinsing boiler with steam register.
- + Rinsing boiler elektro 20 kW, connection to water 50°C.
- + Rinsing boiler elektro 30 kW, connection to water 15°C.
- + Automatical time or conductivity doser of the washing agent.
- + Preparing for doser of the cleaning agent (Potential-free contacts).
- + Washing of bottom part and wheels of container.
- + Adapter for washing of EURO crates or other smaller carts.
- + Drainage of rinsing water directly to the waste.
- + Light barrier instead of standard safety barrier.