



soloswiss.com

SOLO Swiss 302

SOLO Swiss 302 Conveyor Belt Furnace with quenching tank



🇨🇭 Innovative. Reliable. Precise.



SOLO Swiss 302 Conveyor Belt Furnace with quenching tank

Economical

- Low treatment gas consumption thanks to a metallic muffle.
- Energy saving through internal belt return.

Automation

- Automatic management of all parameters linked to processes and production.
- Traceability is compliant with ISO 9000.
- Continuous and discontinuous flow management.

Reliability

- The dimensional stability of the canal is guaranteed by a profiled bottom muffle.
- A pre-heating canal avoids thermic shocks and enables residual oil burning.
- Forced gas circulation turbine.

Precision

- Temperature homogeneity is guaranteed by several independent heating zones.
- Forced treatment gas circulation through the parts to be treated.
- Regulation of carbon potential in several independent zones.
- Control and regulation of temperatures through thermocouples distributed throughout the muffle.

Flexibility of the processes

- Fast atmospheric change for :
 - Austenitizing,
 - Carburizing,
 - Carbonitriding.
- Choice for quenching media (oil/salt).

Additional Equipment



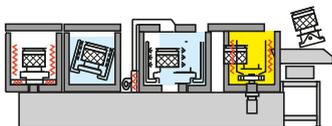
Centrifuge



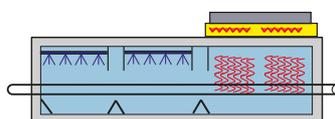
Automatic feeding system



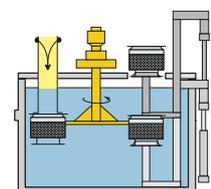
Remote PC control, M.E.S., ERP connection



Carousel washing machine



Conveyor belt washing machine

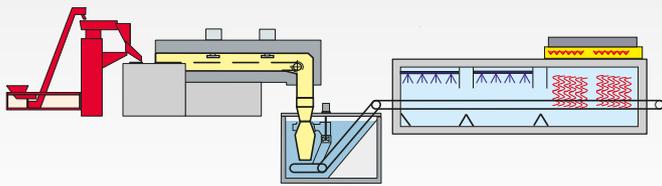


Carousel quenching tank

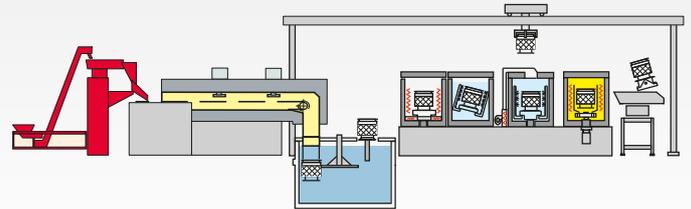
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Model	Measurements (mm)			Heating power (kW)			Production (kg/h)		
	Belt width	Height	Heating length	Electric	Gas	Quenching	Carbonitriding 0.10 mm	Carburizing 0.30 mm	
302-20/200	200	40	2000	30	-	40	30	-	
302-20/300	200	40	3000	45	-	84	72	30	
302-40/250	400	80	2500	80	-	140	120	50	
302-40/400	400	80	4000	125	-	220	192	80	
302-45/400	450	100	4000	136	-	220	190	80	
302-40/500	400	80	5000	145	300	280	240	100	
302-60/400	620	120	4000	170	330	336	288	120	
302-60/500	620	120	5000	230	440	420	360	150	

Various configurations



Continuous flow



Discontinuous flow



SOLO Swiss 302-45/400



SOLO Swiss 302-40/500



SOLO Swiss 302-40/400



SOLO Swiss 302-60/500



SOLO Swiss 302-60/400



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Since 1924

