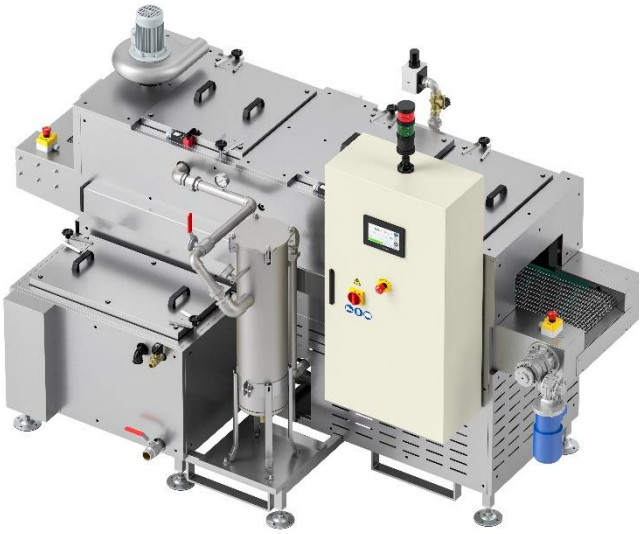
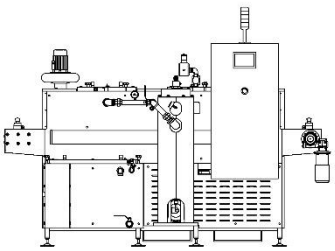
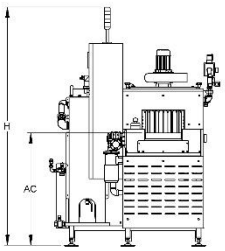
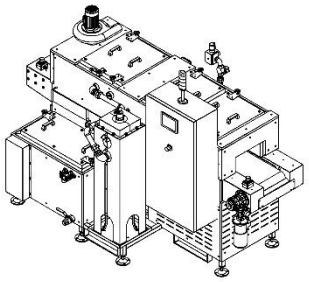
TUNNEL L

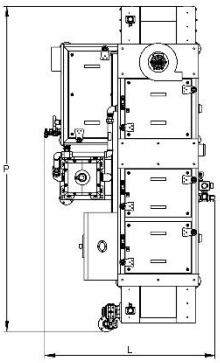
Tunnel plants are characterized by high productivity and flexibility. They are usually used in production where the quantity of pieces to be treated is very high and speed is a fundamental parameter.
This plant is composed of several consecutive phases where the pieces pass through thanks to a motorized transport system
The machine is available in HT version (insulated, maximum and adjustable temperature up to 80°C).











Dimensions and layout	ITL
noise HT (RU_HT)	70/80 dBa

Connections	ITL
Compressed air blower solenoid valve	F 1"
Compressed air intake	F 1/4"
Deoiling oil drain	M 1/2"
Emptying pump	F 1"
Steam extraction	Ø80-Ø100 mm
Tank liquid drain	F 1" 1/4
Water filling solenoid valve	F 1/2"

Technical features	ITL
Adjustable feet +/- 50mm	★
Aisi 304 stainless steel filter in pump intake	★
AISI 304L stainless steel washing pipelines with professional stainless steel flat nozzles	★
Automatic calculation of electricity consumption in real time	★
Box filter	★
Color 7" touchscreen display for settings and programs	★
Drain valves for emptying tanks	★
Forward progress via gearmotor (speed adjustable by inverter)	★
Heating of the liquid with stainless steel electric heating element	★
HT Version	★
Internal ed external welding bleaching	★
IP55 main electrical box, management with touchscreen PLC (DGT V4)	★
Manual water filling valve	★
Manually adjustable washing pressure	★
Minimum level switch	★
Pressure gauge for control of pressure delivered	★
Safety limit switch on cover opening	★

Technical features	ITL
Siemens electric power parts	★
Signal tower for indicating system status	★
Stainless steel bottom section load-bearing structure	★
Stainless steel electric pump with special seals	★
Structure and sheet metal in contact with liquid in AISI 304L stainless steel	★
Tanks accessible from the outside	★
Timed electric exhaustion of steam	★
Weekly programming to start heating and deoiler (if installed)	★

Accessories	**ITL**	***Cod.***
Automatic chemical product dispenser, installed in bath 1	✓	DAD#1
Automatic chemical product dispenser, installed in bath 2	✓	DAD#2
Automatic chemical product dispenser, installed in bath 3	✓	DAD#3
Automatic chemical product dispenser, installed in bath 4	✓	DAD#4
Bag filter in stainless steel, installed in the bath 1	✓	FS#1
Bag filter in stainless steel, installed in the bath 2	✓	FS#2
Bag filter in stainless steel, installed in the bath 3	✓	FS#3
Bag filter in stainless steel, installed in the bath 4	✓	FS#4
Centrifugal steam condenser M [D]	✓	CCE_M
Centrifugal steam condenser S [D]	✓	CCE_S
Circulating pump from tank 2 (most clean) to tank 1 (most contaminated)	✓	PRI#1
Circulating pump from tank 3 (most clean) to tank 2 (most contaminated)	✓	PRI#2
Circulating pump from tank 4 (most clean) to tank 3 (most contaminated)	✓	PRI#3
Detergent suction tank for automatic dispenser	✓	SDAD
Device for remote connection and remote support for PLC Siemens	✓	TELSIE
Device remote connection and remote support for HMI Weintek	✓	TELWEI
Disc oil separator with dedicated motorization	✓	DB1
Emptying pump	✓	SV
External pneumatic oil separator with stainless steel floats	✓	DHT
Heating with diesel burner	✓	RBG
Heating with natural gas burner	✓	RBM
HMI Siemens KTP - Display (only for Siemens PLC)	✓	HMIS
Industry 5.0 Ready (Energy Meter)	✓	IND5
Interface with the loading system (robot, conveyor, etc.)	✓	RBC
Interfacing with unloading system (robot, conveyor, etc.)	✓	RBS
Kit for Industry 4.0 for HMI Weintek	✓	IND4WEI
Kit for Industry 4.0 for PLC Siemens	✓	IND4SIE
Led light tower with 3 lights and sound alarm	✓	TL3
Loading/unloading area photocell barrier system	✓	BFCS
Magnetic spark plug for bag filter size 2 for ferrite powder	✓	MAGFS2
Maximum liquid level control in tank 1 and filling solenoid valve	✓	RIEMP#1
Maximum liquid level control in tank 2 and filling solenoid valve	✓	RIEMP#2
Maximum liquid level control in tank 3 and filling solenoid valve	✓	RIEMP#3
Maximum liquid level control in tank 4 and filling solenoid valve	✓	RIEMP#4
Mixed resin demineralizer M50 with conductivity meter	✓	ADD
Photocell barriers in loading phase	✓	BFC
Photocell barriers in unloading phase	✓	BFS
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	PLS
Tanks emptying pump (2)	✓	SV2
Tanks emptying pump (3)	✓	SV3
Tanks emptying pump (4)	✓	SV4
Workpiece presence photocell for loading area	✓	FT_PPC
Workpiece presence photocell for unloading area	✓	FT_PPS

★ = included in the basic model, ✓ = available on request, X = not available