Teknox

METAL CLEANING
EVOLUTION
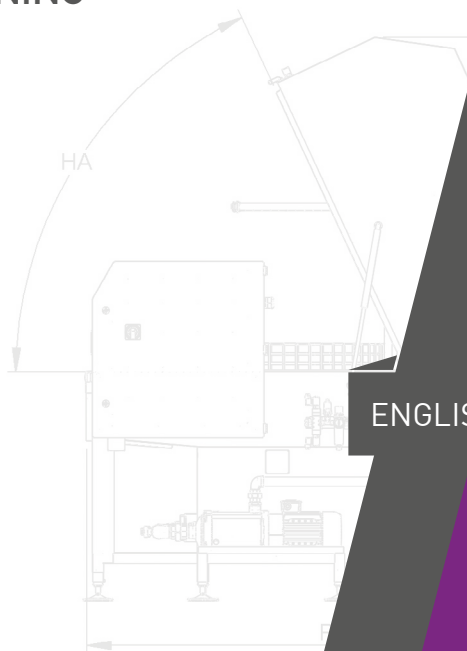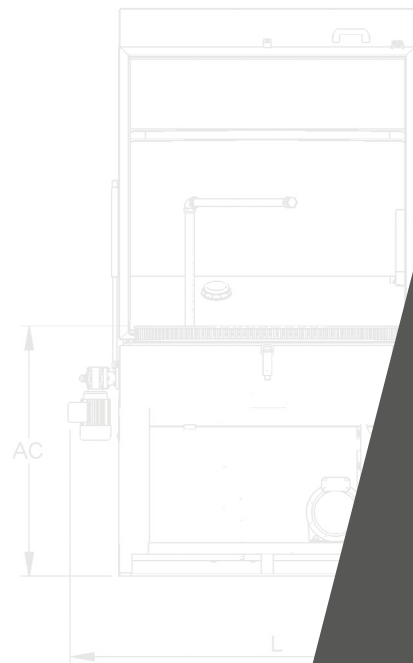
ENGLISH

UNIX
LINE

Our App

Google Play

Teknox
Productivity
Install

THE NEW TEKNOX APP

This application wants to be an additional tool that Teknox puts in place to improve and speed up the services and communication with its customers and the sales department.

Thanks to the application are available different services, such as: the form for the request of spare parts, the form for the data collection for new projects, the complete interactive catalogue with images, videos, technical data and much more.

Teknox

The company, born as SME in 1967, has become over the years the reference point in the field of piece washing.
Today the production includes:

- **EQUIPMENT FOR WASHING PARTS IN THE MAINTENANCE DEPARTMENTS**
- **PLANTS FOR THE SURFACE TREATMENT OF PARTS IN PRODUCTION CYCLE**

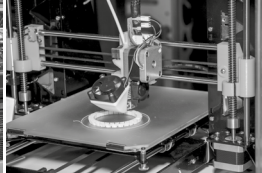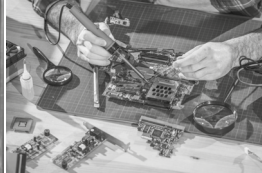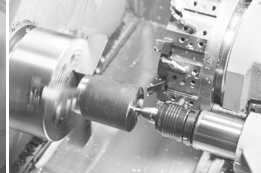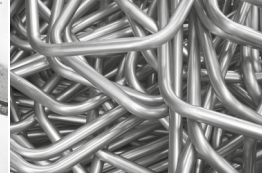|							
Car and motorcycle maintenance	Railway	Regeneration	Chemical industry and colour industry	Aerospace	Shipbuilding industry	Petrochemistry	Composite materials
Printing industry	3D printing	Electronics industry	Prepainting	CNC machining	Tube processing	Sheet metal stamping	Automatic lines

More than **50** years of experience

6000 sqm of plant

More than **10.000** machines produced

80+ Countries we export to

More than **40** employees

UNIX *SZD*

UNIX IS A SYSTEM IDEAL FOR THE
AUTOMATIC WASHING
OF SMALL AND MEDIUM SIZE
MECHANICAL PARTS.

Washing is carried out by the action of upper, lower and side nozzles. The slow rotation of the basket is ensured by a gear motor. A PLC management enables numberless customisations thanks to a wide range of accessories.
The tank with high capacity is separate from the washing chamber, and is on the back side of the machine.

SPRAY WASHING

MOTORIZED ROTATION ON VERTICAL AXIS

VERSION
- LT (heating up to 60° C)
- HT (heating up to 80° C)

CONTROL
- PLC with colour touchscreen
- Option Industry 4.0

NUMBER OF TANKS
- Single tank

AREAS OF APPLICATION
- Mechanical / Aviation industry
- Surface treatment
- Electronics / Chemicals industry

UNIX 100 SZD

UNIX *SZD*
80
100
120

TECHNICAL FEATURES

- Timed electric exhaustion of steam
- Hatch closure assisted with gas springs and fastening hook
- Siemens® electric power parts
- 4" color touchscreen display for settings and programs
- Box filter made up of 6 Aisi 304 SS vertical filters for pre-filtration of the liquid flowing back into the tank
- Aisi 304 stainless steel filter in pump intake
- Tank border gasket
- Structure and sheet metal in contact with liquid in Aisi 304 stainless steel
- Minimum level switch
- Safety limit switch on cover opening
- Stainless steel electric pump with special seals

- Weekly programming to start heating and deoiler (if installed)
- IP65 electrical system, management via PLC touchscreen (DGT V4)
- Heating of the liquid with stainless steel electric heating element
- Mechanical rotation of basket via gearmotor
- Internal welding bleaching
- Tanks accessible from the outside
- Stainless steel bottom section load-bearing structure
- Aisi 304 stainless steel washing pipelines with professional stainless steel flat nozzles
- Drain valves for emptying tanks
- Manual water filling valve

HT VERSION

- Heat insulation with Aisi 430 stainless steel panels
- Safety limit switch with cover opening lock during cycles
- Panels under basket with grease and solids collection sump filters

AUTOMATIC WASHING

| TECHNICAL DATA	U 80 SZD	U 100 SZD	U 120 SZD
Load capacity	100 kg	200 kg	300 kg
Tank 1 capacity	230 lt	280 lt	330 lt
Pump 1	0,55 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 250 lt/min
High pressure pump 1	2,2 kW 6 bar 200 lt/min	3 kW 6 bar 250 lt/min	3 kW 6 bar 300 lt/min
Heating tank 1	6 kW	8 kW	12 kW
Motor for parts rotation	0,09 kW	0,09 kW	0,09 kW
Steam exhauster	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Compressed air blowing	105 Nmc/h @ 4 bar	130 Nmc/h @ 4 bar	150 Nmc/h @ 4 bar
Steam condenser	0,20 kW	0,20 kW	0,20 kW
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW
Drying	4,5 kW	4,5 kW	4,5 kW
Power supply	Three-phase	Three-phase	Three-phase

ACCESSORIES

- Maximum liquid level control in tank 1 and filling solenoid valve
- Compressed air blowing
- Hot air drying with resistor and air blade side channel blower
- Demineralizer with mixed resins and conductivity meter
- Pneumatic cover opening and closing with two-hand safety control unit
- Centrifugal steam condenser S mobile version
- Two-hands control for basket rotation with opened lid
- Stainless steel Aisi 304 external trolley with drops-catcher, wheels and safety brakes [C]
- Additional basket/platform in stainless steel
- Stainless steel Aisi 304 additional external trolley
- Automatic liquid detergent dispenser, installed in bath 1
- Disc oil separator with dedicated motorization
- External pneumatic oil separator
- Bag filter in stainless steel, installed in the bath 1
- Magnetic spark plug for bag filter for ferrite powder
- Idle lower rotating group in stainless steel
- Idle upper rotating group in stainless steel [C]
- Device for remote connection and remote support for HMI Weintek

- Kit for Industry 4.0 for HMI Weintek
- Manual washing and blowing with hoses and washing nozzle
- 80 bar manual washing and blowing with hoses and washing nozzle (both for LT or for HT available)
- Kit for use with abrasive contaminants in the washing liquid
- Stainless steel fittings and valves kit (for parts that are in contact with liquids)
- PLC Siemens® S7 1200 - HMI touchscreen Weintek
- High pressure washing pump
- Stainless steel Aisi 304 retention tank with drip-catcher
- Upper ramp fastened to the cover
- Nebulized rinse from water mains, draining into the washing tank
- Emptying pump
- Signal tower for indicating system status
- Pipes with blade-nozzle in stainless steel 1/8"
- Workpieces positioning /clamping pallet

ACCESSORIES NOTES LEGEND
C: the useful washing height is reduced by 130 mm
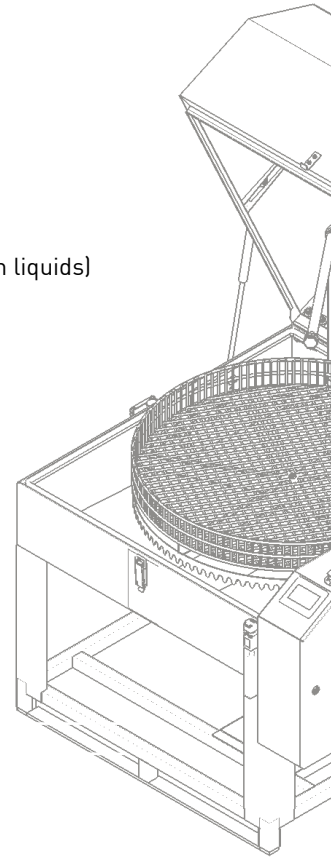
CONNECTIONS	U 80 SZD	U 100 SZD	U 120 SZD
Steam extraction	Ø80 mm	Ø80 mm	Ø80 mm
Tank liquid drain	F 1"	F 1"	F 1"
Water filling solenoid valve	F 1/2"	F 1/2"	F 1/2"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"
Compressed air blower solenoid valve	F 1"	F 1"	F 1"
Emptying pump	F 1"	F 1"	F 1"
Cabin vent outlet	Ø75 mm	Ø75 mm	Ø75 mm

UNIX *SZD*
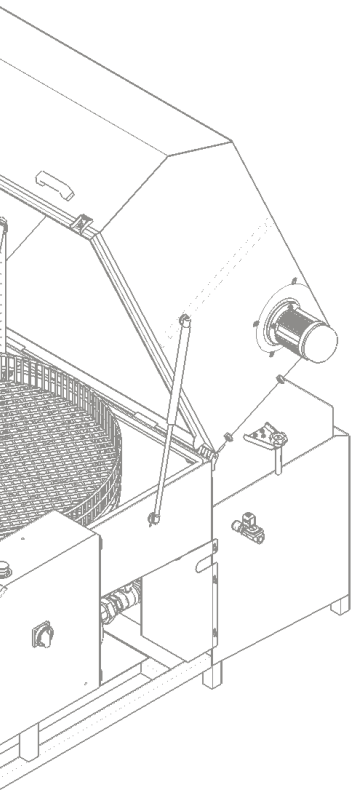
DIMENSIONS AND LAYOUT		U 80 SZD	U 100 SZD	U 120 SZD
L	width	125 cm	142 cm	157 cm
PO	depth with opened machine	173 cm	190 cm	205 cm
HO	height with opened machine	192 cm	210 cm	230 cm
DL	**working diameter**	**78 cm**	**97 cm**	**117 cm**
HL	**washing height**	**54 cm**	**54 cm**	**70 cm**
AC	loading height	81 cm	81 cm	81 cm
HA	opening angle	60°	60°	60°
W	weight	150 Kg	250 Kg	350 Kg
RU	noise LT	75 dBa	75 dBa	75 dBa
RU_HT	noise HT	70 dBa	70 dBa	70 dBa

DIMENSIONS AND LAYOUT
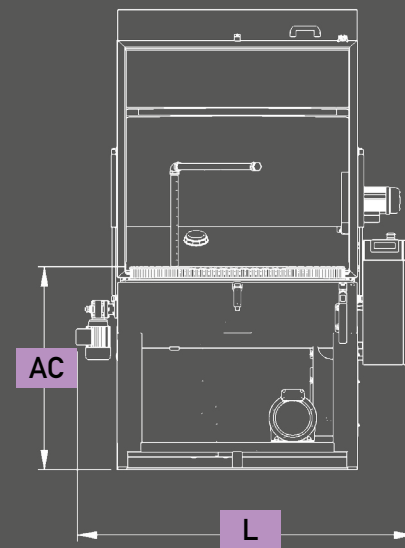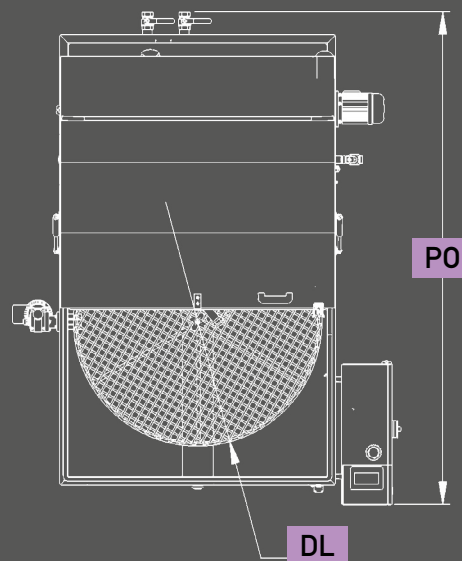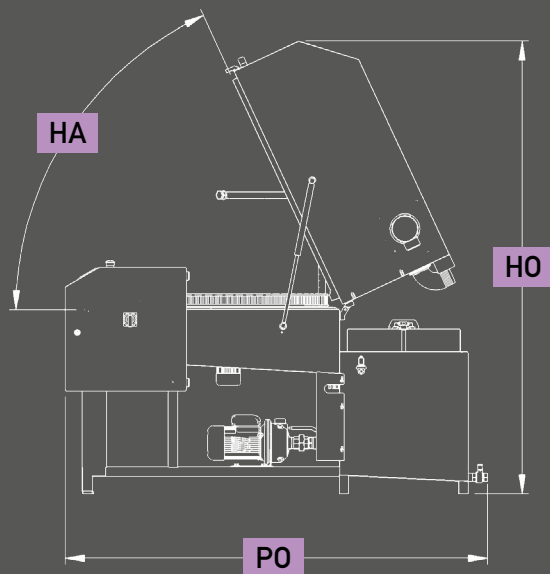
UNIX *2B*

UNIX IS A SYSTEM IDEAL FOR THE
AUTOMATIC WASHING
OF SMALL AND MEDIUM SIZE
MECHANICAL PARTS.

Washing is carried out by the action of upper, lower and side nozzles. The slow rotation of the basket is ensured by a gear motor. A PLC management enables numberless customisations thanks to a wide range of accessories.
In this configuration, parts washers have two separate tanks and carry out both washing and rinsing.

**SPRAY
WASHING**

**MOTORIZED
ROTATION ON
VERTICAL AXIS**

UNIX 100 2B

VERSION
- LT (heating up to 60° C)
- HT (heating up to 80° C)

CONTROL
- PLC with colour touchscreen
- Option Industry 4.0

NUMBER OF TANKS
- 2 tanks

AREAS OF APPLICATION
- Mechanical / Aviation industry
- Surface treatment
- Electronics / Chemicals industry

UNIX *2B*
80
100
120

TECHNICAL FEATURES

- Timed electric exhaustion of steam
- Hatch closure assisted with gas springs and fastening hook
- Siemens® electric power parts
- 4" color touchscreen display for settings and programs
- Box filter made up of 6 Aisi 304 SS vertical filters for pre-filtration of the liquid flowing back into the tank
- Aisi 304 stainless steel filter in pump intake
- Tank border gasket
- Structure and sheet metal in contact with liquid in Aisi 304 stainless steel
- Minimum level switch
- Safety limit switch on cover opening
- Aisi 304 stainless steel electric pump with special seals

- Weekly programming to start heating and deoiler (if installed)
- IP65 electrical system, management via PLC touchscreen (DGT V4)
- Heating of the liquid with stainless steel electric heating element
- Mechanical rotation of basket via gearmotor
- Internal welding bleaching
- Tanks accessible from the outside
- Stainless steel bottom section load-bearing structure
- Aisi 304 stainless steel washing pipelines with professional stainless steel flat nozzles
- Drain valves for emptying tanks
- Manual water filling valve

HT VERSION

- Heat insulation with Aisi 430 stainless steel panels
- Safety limit switch with cover opening lock during cycles
- Panels under basket with grease and solids collection sump filters

AUTOMATIC WASHING

TECHNICAL DATA	U 80 2B	U 100 2B	U 120 2B
Load capacity	100 kg	200 kg	300 kg
Tank 1 capacity	240 lt	270 lt	350 lt
Tank 2 capacity	180 lt	270 lt	350 lt
Pump 1	0,55 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 250 lt/min
High pressure pump 1	2,2 kW 6 bar 200 lt/min	3 kW 6 bar 250 lt/min	3 kW 6 bar 300 lt/min
Pump 2	0,55 kW 2,5 bar 200 lt/min	0,55 kW 2,5 bar 200 lt/min	0,55 kW 2,5 bar 200 lt/min
Heating tank 1	8 kW	8 kW	10 kW
Heating tank 2	6 kW	8 kW	10 kW
Motor for parts rotation	0,09 kW	0,09 kW	0,09 kW
Steam exhauster	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h	0,25 kw 320 Nmc/h
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Compressed air blowing	105 Nmc/h @ 4 bar	130 Nmc/h @ 4 bar	150 Nmc/h @ 4 bar
Steam condenser	0,20 kW	0,20 kW	0,20 kW
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW
Drying	4,5 kW	4,5 kW	4,5 kW
Power supply	Three-phase	Three-phase	Three-phase

ACCESSORIES

- Maximum liquid level control
- Compressed air blowing
- Hot air drying with resistor and air blade side channel blower
- Demineralizer with mixed resins and conductivity meter
- Pneumatic cover opening and closing with two-hand safety control unit
- Centrifugal steam condenser S mobile version
- Two-hands control for basket rotation with opened lid
- Stainless steel Aisi 304 external trolley with drops-catcher, wheels and safety brakes [C]
- Additional basket/platform in stainless steel
- Stainless steel Aisi 304 additional external trolley
- Automatic liquid detergent dispenser
- Disc oil separator with dedicated motorization
- External pneumatic oil separator
- Bag filter in stainless steel
- Magnetic spark plug for bag filter for ferrite powder
- Idle lower rotating group in stainless steel
- Idle upper rotating group in stainless steel [C]
- Device for remote connection and remote support for HMI Weintek
- Kit for Industry 4.0 for HMI Weintek

- Manual washing and blowing with hoses and washing nozzle
- 80 bar manual washing and blowing with hoses and washing nozzle (both for LT or for HT available)
- Kit for use with abrasive contaminants in the washing liquid
- Stainless steel fittings and valves kit (for parts that are in contact with liquids)
- PLC Siemens® S7 1200 - HMI touchscreen Weintek
- High pressure washing pump
- High pressure rinsing pump
- Circulating pump from tank 2 (most clean) to tank 1 (most contaminated)
- Stainless steel Aisi 304 retention tank with drip-catcher
- Upper ramp fastened to the cover
- Rinsing by water supply and direct drain outlet
- Nebulized rinse from water mains, draining into the washing tank
- Tanks emptying pump (2)
- Signal tower for indicating system status
- Pipes with blade-nozzle in stainless steel 1/8"
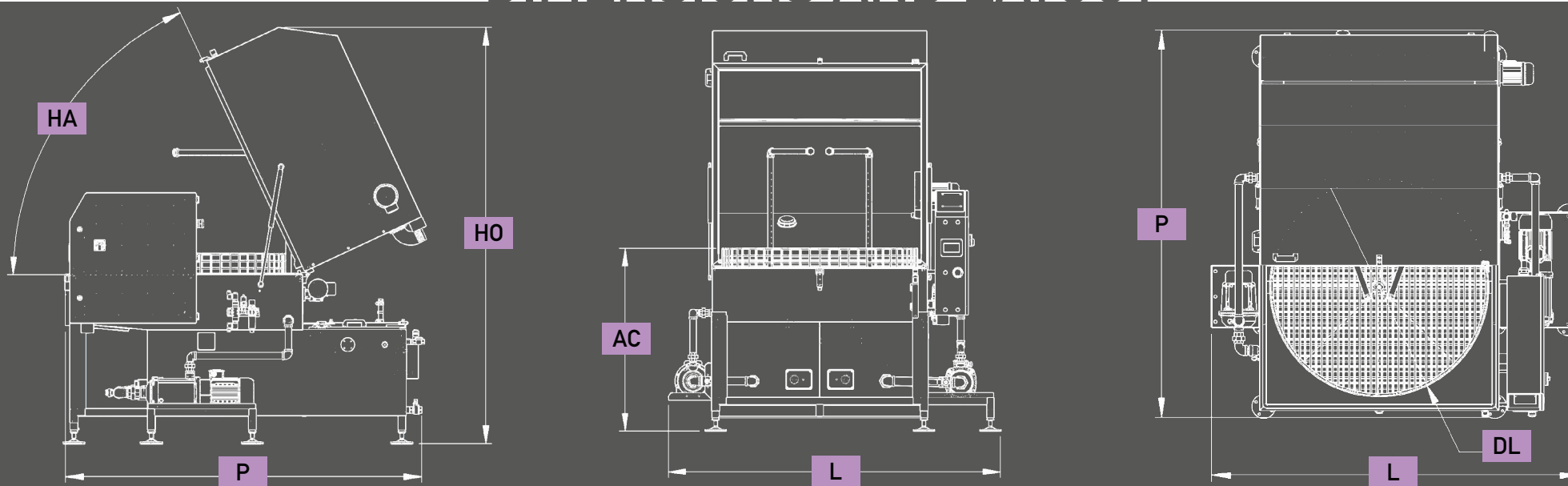- Workpieces positioning /clamping pallet
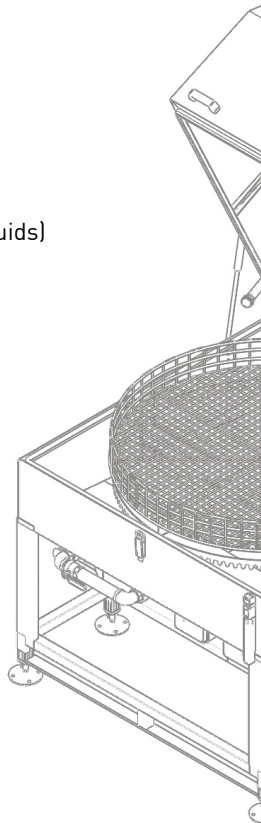
ACCESSORIES NOTES LEGEND
C: the useful washing height is reduced by 130 mm

CONNECTIONS	U 80 2B	U 100 2B	U 120 2B
Steam extraction	Ø80 mm	Ø80 mm	Ø80 mm
Tank liquid drain	2 x F 1"	2 x F 1"	2 x F 1"
Water filling solenoid valve	2 x F 1/2"	2 x F 1/2"	2 x F 1/2"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"
Compressed air blower solenoid valve	F 1"	F 1"	F 1"
Emptying pump	F 1"	F 1"	F 1"
Overflow drain	2 x F 1"	2 x F 1"	2 x F 1"
Cabin vent outlet	Ø75 mm	Ø75 mm	Ø75 mm

UNIX 2B
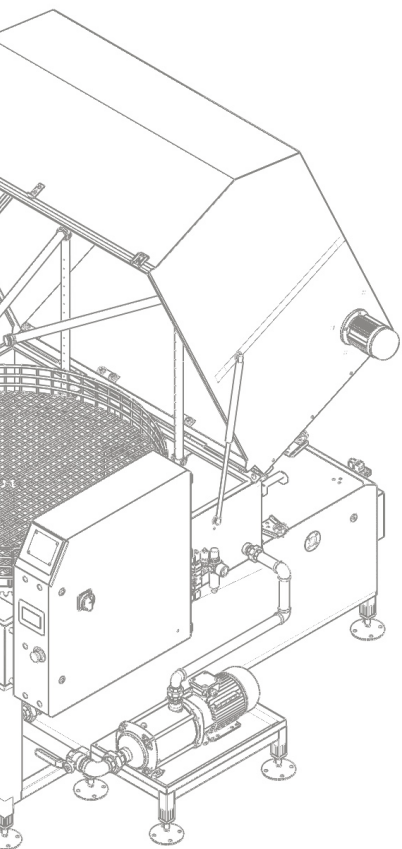
DIMENSIONS AND LAYOUT		U 80 2B	U 100 2B	U 120 2B
L	width	158 cm	178 cm	198 cm
P	depth	178 cm	195 cm	210 cm
HO	height with opened machine	206 cm	216 cm	237 cm
DL	**working diameter**	**78 cm**	**97 cm**	**117 cm**
HL	**washing height**	**54 cm**	**54 cm**	**70 cm**
AC	loading height	93 cm	93 cm	93 cm
HA	opening angle	60°	60°	60°
W	weight	300 Kg	400 Kg	500 Kg
RU	noise LT	75 dBa	75 dBa	75 dBa
RU_HT	noise HT	70 dBa	70 dBa	70 dBa

DIMENSIONS AND LAYOUT

www.teknox.net

YouTube

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**Our catalogue
UNIX LINE**

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