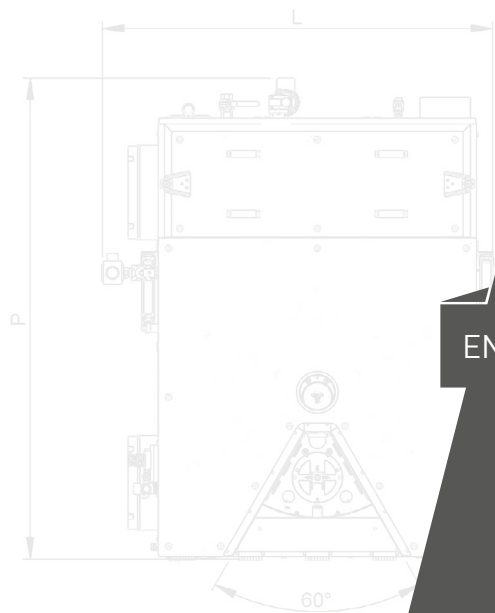


Teknox

METAL CLEANING
EVOLUTION



ENGLISH 

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DESK


MADE
IN ITALY

SINCE
1967

ROUNDJET LINE

ROUNDJET

ROUNDJET IS A ROTATING TABLE PARTS WASHER (TRANSFERT TYPE) THAT ENABLES THE WASHING OF SMALL SIZE MECHANICAL PARTS IN A VERY QUICK TIME.

The loading platform is divided into 6 areas: loading, extraction, washing, pause, blowing and drying. By the loading station (the only one "opened"), the table step-by-step rotation enables parts going through all treatment phases up to when parts returned to the initial position for loading operations. It is possible to use the same machine to wash similar parts thanks to the interchangeability of the positioning supports. A PLC management enables numberless customisations thanks to a wide range of accessories.

It is notably ideal for operations in robotised isles (positioning precision by +/- 0.5 mm). It can be also realised, on demand, for being used by operators with manual loading and unloading.



ROUNDJET 1200



VERSION

- HT (heating up to 80° C)



CONTROL

- PLC with colour touchscreen
- Option Industry 4.0



NUMBER OF TANKS

- Single tank



AREAS OF APPLICATION

- Surface treatment
- Mechanical industry
- Aviation industry
- Electronics / Chemicals industry
- Pharmaceutical industry



SPRAY WASHING



MOTORIZED ROTATION ON VERTICAL AXIS

TECHNICAL FEATURES

- Safety photocell barrier
- Siemens® electric power parts
- 7" 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
- Structure and sheet metal in contact with liquid in Aisi 304 stainless steel
- Minimum level switch
- Pressure gauge for control of pressure delivered
- Template for positioning piece/s
- Safety limit switch on door 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)
- Separate remote-controlled electric cabinet
- Heating of the liquid with stainless steel electric heating element
- 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

ROUNDJET

1000

1200

1400

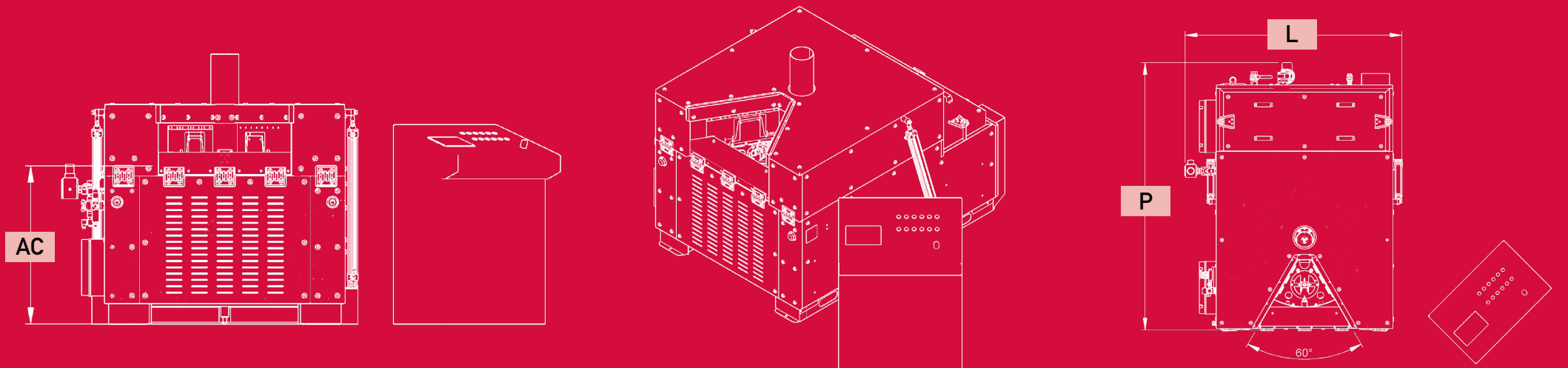
ACCESSORIES

- Maximum liquid level control in tank 1 and filling solenoid valve
- Demineralizer with mixed resins and conductivity meter
- Loading/unloading area photocell barrier system
- Centrifugal steam condenser S mobile version [D]
- Automatic liquid detergent dispenser, installed in bath 1
- External pneumatic oil separator
- Bag filter in stainless steel, installed in the bath 1
- Magnetic spark plug for bag filter for ferrite powder
- Device for remote connection and remote support for HMI Weintek
- Kit for Industry 4.0 for HMI Weintek
- Kit for use with abrasive contaminants in the washing liquid
- PLC Siemens® S7 1200 - HMI touchscreen Weintek
- High pressure washing pump
- Interface with the loading and unloading system (robot)
- Stainless steel Aisi 304 retention tank with drip-catcher
- Parts presence/absence sensors
- Emptying pump
- Signal tower for indicating system status
- Workpieces positioning /clamping pallet

TECHNICAL DATA	RNDJ 1000	RNDJ 1200	RNDJ 1400
Load capacity	60 kg	60 kg	60 kg
Tank 1 capacity	400 lt	500 lt	600 lt
Pump 1	1,5 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 200 lt/min	1,5 kW 2,5 bar 200 lt/min
High pressure pump 1	3,0 kW 6 bar 250 lt/min	3,0 kW 6 bar 250 lt/min	3,0 kW 6 bar 250 lt/min
Heating tank 1	16 kW	20 kW	24 kW
Motor for parts rotation	0,18 kW	0,18 kW	0,18 kW
Steam exhauster	0,25 kw 400 Nmc/h	0,25 kw 400 Nmc/h	0,55 kw 1080 Nmc/h
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Compressed air blowing	200 Nmc/h @ 4 bar	250 Nmc/h @ 4 bar	300 Nmc/h @ 4 bar
Gas oil or natural gas burner heating	0,20 kW	0,20 kW	0,48 kW
Steam condenser	0,37 kW	0,37 kW	0,37 kW
Tank emptying pump	5,2 kW	5,2 kW	5,2 kW
Drying	Three-phase	Three-phase	Three-phase

DIMENSIONS AND LAYOUT		RNDJ 1000	RNDJ 1200	RNDJ 1400
L	width	185 cm	205 cm	225 cm
P	depth	203 cm	226 cm	246 cm
AC	loading height	95 cm	95 cm	95 cm
HA	opening angle	60°	60°	60°
W	weight	800 kg	950 kg	1100 kg
RU_HT	noise HT	70 dBa	70 dBa	70 dBa

TURNTABLE WASHING



www.teknox.net



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Our catalogue
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