

ROUNDJET

Roundjet is a rotating table parts washer (Transfert type) that enables the washing of small size mechanical parts in a very quick time.

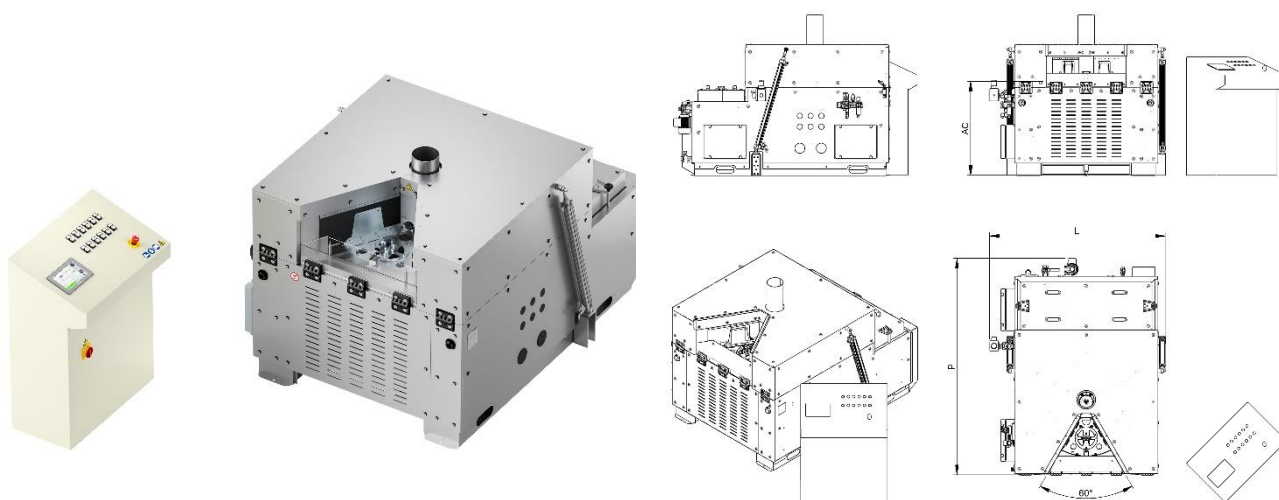
The loading platform is divided into 6 areas: loading, extraction, washing, pause, blowing and drying. By the loading station (the only one "opened"), the table step-by-step rotation enables parts going through all treatment phases up to when parts returned to the initial position for loading operations.

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.

The machine is available in HT version (insulated, maximum and adjustable temperature up to 80°C).



Dimensions and layout	RNDJ10	RNDJ12	RNDJ14
depth (P)	203 cm	226 cm	246 cm
loading height (AC)	95 cm	95 cm	95 cm
noise HT (RU_HT)	70 dBa	70 dBa	70 dBa
opening angle (HA)	60°	60°	60°
weight (W)	800 kg	950 kg	1100 kg
width (L)	185 cm	205 cm	225 cm

Connections	RNDJ10	RNDJ12	RNDJ14
Compressed air blower solenoid valve	F 1"	F 1"	F 1"
Compressed air intake	F 1/4"	F 1/4"	F 1/4"
Deoiling oil drain	M 1/2"	M 1/2"	M 1/2"
Emptying pump	F 1"	F 1"	F 1"
Natural gal/ Gasoil burner flue	Ø130 mm	Ø130 mm	Ø130 mm
Steam extraction	Ø100 mm	Ø100 mm	Ø100 mm
Tank liquid drain	F 1" 1/4	F 1" 1/4	F 1" 1/4
Water filling solenoid valve	F 1/2"	F 1/2"	F 1/2"

Technical data	RNDJ10	RNDJ12	RNDJ14
Compressed air blowing	300 Nmc/h @ 4 bar	200 Nmc/h @ 4 bar	250 Nmc/h @ 4 bar
Disk oil separator	0,09 kW	0,09 kW	0,09 kW
Drying	5,2 kW	5,2 kW	5,2 kW
Gas oil or natural gas burner heating	0,17 kW - 30000 kcal/h	0,17 kW - 30000 kcal/h	0,17 kW - 30000 kcal/h
Heating tank 1	16 kW	20 kW	24 kW
High pressure pump 1	3 kW - 6/7 bar - 200/150 lt/min	3 kW - 6/7 bar - 200/150 lt/min	3 kW - 6/7 bar - 200/150 lt/min

Technical data	RNDJ10	RNDJ12	RNDJ14
Load capacity	60 kg	60 kg	60 kg
Motor for parts rotation	0,18 kW	0,18 kW	0,18 kW
Pump 1	1,5 kW - 2/3 bar - 250/200 lt/min	1,5 kW - 2/3 bar - 250/200 lt/min	1,5 kW - 2/3 bar - 250/200 lt/min
Steam condenser	0,20 kW	0,20 kW	0,48 kW
Steam exhauster	0,25 kw 400 Nmc/h	0,25 kw 400 Nmc/h	0,55 kw 1080 Nmc/h
Tank 1 capacity	400 lt	500 lt	600 lt
Tank emptying pump	0,37 kW	0,37 kW	0,37 kW

Technical features	RNDJ10	RNDJ12	RNDJ14
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	★	★	★
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)	★	★	★
ISO pneumatic cylinders and "fall-proof" pneumatic safety valves	★	★	★
Manual water filling valve	★	★	★
Minimum level switch	★	★	★
Pneumatic opening and closing of the lid with 2 safety hands control	★	★	★
Pressure gauge for control of pressure delivered	★	★	★
Safety limit switch on door opening	★	★	★
Safety photocell barrier	★	★	★
Separate remote-controlled electric cabinet	★	★	★
Siemens electric power parts	★	★	★
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	★	★	★
Template for positioning piece/s	★	★	★
Timed electric exhaustion of steam	★	★	★
Total insulation	★	★	★
Weekly programming to start heating and deoiler (if installed)	★	★	★

Accessories	RNDJ10	RNDJ12	RNDJ14	Cod.
Automatic chemical product dispenser, installed in bath 1	✓	✓	✓	DAD#1
Bag filter in stainless steel, installed in the bath 1	✓	✓	✓	FS#1
Centrifugal steam condenser S on wheels [C]	✓	✓	✓	CCEC_S
Compact pneumatic oil separator with stainless steel floats	✓	✓	✓	MD_GAL
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
Emptying pump	✓	✓	✓	SV
External pneumatic oil separator with stainless steel floats	✓	✓	✓	DHT
High pressure washing pump	✓	✓	✓	PP1
HMI Siemens KTP - Display (only for Siemens PLC)	✓	✓	✓	HMIS
Industry 5.0 Ready (Energy Meter)	✓	✓	✓	IND5
Kit for Industry 4.0 for HMI Weintek	✓	✓	✓	IND4WEI
Kit for Industry 4.0 for PLC Siemens	✓	✓	✓	IND4SIE
Kit for use with abrasive contaminants in the washing liquid	✓	✓	✓	PCA
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
Mixed resin demineralizer M50 with conductivity meter	✓	✓	✓	ADD
Parts presence/absence sensors	✓	✓	✓	SRP
PLC Siemens S7 1200 - HMI touchscreen Weintek	✓	✓	✓	PLS

Accessories	RNDJ10	RNDJ12	RNDJ14	Cod.
Second ramp of washing nozzles [L]	✓	✓	✓	STR
Stainless steel AISI 304L retention tank with drip-catcher [D]	✓	✓	✓	RIT

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