

Facility Requirements List

Main Table Unit

<i>Requirement</i>	<i>Description</i>	<i>Customer provides</i>	<i>Robotechnik provides</i>
Width x Depth x Height [mm] (with cover open)	approx. 1200 x 700 x 1545	-	Adjustable feet, total height 1545 + (0-35mm)
Weight [kg]	approx. 250 kg	-	-
Noise level of the unit	< 70db(A)	-	-
Power requirements	System power supply	Voltage: 400VAC / 3 Phase + N+ PE / 50Hz Fuse current rating: 3 x 16Amps Type of plug: 16 Amps female CEE 5 pin	5m connection cable with CEE Plug 16A 5pin. 6h
Power consumption	peak approx. 3.5 kW	-	-
Vacuum (VAC)	For chuck vacuum	Pressure: -0.65 - -0.75 bar	Push in connector for tube (outside Ø 8mm, inside Ø 6mm) [Vacuum pump as a separate device supplied by Robotechnik (L x D x H: 550 x 230 x 350 mm)]
Compressed air (CDA)	Clean dry air (CDA) for pneumatics	Tube (outside Ø 8mm, inside Ø 6mm) Qty: 1 l/min, Qmax: 5 l/min (depends on use case) Pressure: 5.0 - 6.0 bar Quality: 5µm filtered, dry oil free	Push in connector for tube (outside Ø 8mm, inside Ø 6mm)
Media #1 (TMAH 2,38%)	For puddle nozzle developing	TMAH 2.38%	10 ltr. PEHD tank, with empty level sensor, located inside the extended table
Media #2 DI-Water (DIW)	For puddle nozzle DI-Water	PFA Tube Pressure: 3 ± 0.5 bar, house supply, 1.2L/min	Straight bulkhead fitting DN6/8 PVDF for tube (outside Ø 8mm, inside Ø 6mm)
Media #3 Nitrogen (N2)	For N2 blow and pressurize the tank	Tube (outside Ø 6mm, inside Ø 4mm) Pressure: 4 ± 0.5 bar	Push in connector for tube (outside Ø 6mm, inside Ø 4mm)
Media #4 (EBR - PGMEA)	For EBR nozzle	PGMEA	10 ltr. stainless steel tank shared between EBR and BSR, with empty

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			level sensor, located inside the main table
Media #5 (BSR - PGMEA)	For BSR nozzle	PGMEA	Share the Media #4 tank
Drain	Process bowl drain	-	10 ltr. waste tank with high level sensor, located inside the main table
Exhaust ❶	Exhaust beneath process bowl	Flexible chemical resistant tube, (inner Ø 110mm), flow rate: min. 80m ³ /h	Connection piece with manual throttle valve, outer Ø 110mm
Exhaust ❷	Exhaust process bowl and electric cabinet	Flexible chemical resistant tube, (inner Ø 110mm), flow rate: min. 250 m ³ /h	Connection piece with manual throttle valve, outer Ø 110mm
Exhaust ❸	Exhaust hotplate	Flexible chemical resistant tube, (inner Ø 110mm), flow rate: min. 40m ³ /h	Connection piece with manual throttle valve, outer Ø 110mm

Extended Table Unit

<i>Requirement</i>	<i>Description</i>	<i>Customer provides</i>	<i>Robotechnik provides</i>
Width x Depth x Height [mm] (with cover open)	approx. 600 x 700 x 1360	-	Adjustable feet, total height 1360 + (0-35mm)
Weight [kg]	approx. 100	-	-
Noise level of the unit	< 70db(A)	-	-
Power requirements	System power supply	-	Supplied by the main table
Vacuum (VAC)	For hotplate vacuum	-	Push in connector for tube (outside Ø 8mm, inside Ø 6mm) Supplied by the vacuum pump
Compressed air (CDA)	Clean dry air (CDA) for pneumatics	-	Supplied by the main table
Nitrogen (N2)	For N2 blow		Supplied by the main table
Exhaust ❹	Exhaust hotplate	Flexible chemical resistant tube, (inner Ø 110mm), flow rate: min. 40m ³ /h	Connection piece with manual throttle valve, outer Ø 110mm
Exhaust ❺	Exhaust table	Flexible chemical resistant tube, (inner Ø 110mm), flow rate: min. 80 m ³ /h	Connection piece with manual throttle valve, outer Ø 110mm

Machine Overview

