



The MABAT CDU-1500 types are offering a circulated chemical loop between the unit and the plating tool. The systems' are allows internal batches preparation and circulating the chemical while controlling the required parameters of temperature and pH levels.

The system is build as two identical, independent units in one cabinet to support two chemicals supplies to the plating process. The unit can be delivering in one cabinet, half size, to support one main chemical batch only.

Only the highest quality components are used in its construction and the module controller utilises the very latest control technology.

The CDU can be interlinked with existing factory monitoring systems, please consult with MABAT's software engineering dept.

Standards

MABAT works in accordance with ISO.
ISO 14001 and ISO 9001 standards.
Member of SEMI .

All products are design and manufacture according to SEMI guidelines.

The MABAT CDU2500 is CE marked and has TUV NA approval.

CDU-1500-2: Chemical Delivery Unit (Tool Circulating)

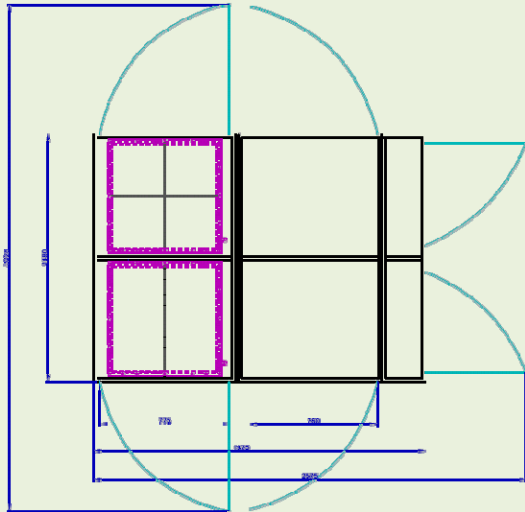
- Handles most aqueous chemicals
- Small footprint
- 3 sides maintenance access
- Utilities located at high level for easy connection
- Circulating the batch from ant to the tool (gravitationally)
- High volume batch size of up to 450 Liters
- Automatic pH level correction according to operator set point
- Polypropylene cabinets with height adjusting feet mounted on a stainless steel chassis
- High Level resolution touch screen for local operation
- All chemical handling pathways, tubing, valves and pumps utilise HP440/HP450 PFA & PTFE
- Pneumatic actuation of valves, transfer and delivery chemical pumps
- Pumped drain from the cabinet base which acts as leak containment

Options

- External pump cabinet To allow chemical delivery when tool is located on CDU level
- Cabinet MOC Stainless steel frame, coated FM compliant plastics
- Delivery / Batch tank Consult our factory for sizes
- Sample chamber for on line sampling
- Filter housing according to process requirements



CDU-1500-2: Chemical Delivery Unit (Tool Circulating)



MABAT can offer a turn-key solution if required and have their own experienced team or approved local contractors to ensure project installation and acceptance deadlines are achieved.

MABAT have a range of products to suit most applications and can also provide custom built systems for non-standard requirements. Site visits can be arranged to ensure the end user's exact needs are understood and accommodated.

Please contact our offices to obtain advice and quotations.

For applications outside any system's specification or capabilities please refer to our local representative or the MABAT Headquarters at Kiryat Gat.

MABAT have more than 25 years experience supplying systems to the Semiconductor and Solar Cell manufacturing industries.



Contact details

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Dimensions

	Height	Width	Depth
CDU-1500-2	2,080 mm	1,480 mm	1,975 mm
External pump cabinet	1,500 mm	780 mm	378 mm

Utilities Needed

N ₂	30 psi, 20 lpm
CDA	80-100 psi, up to 50 lpm
Exhaust	250 m ³ /h
DI supply	30 psi, up to 5 lpm
Main power	24 VDC, 10 Amp
Drain	½" PFA max flow 15 lpm

Electrical- top location

Supply	24VDC, 10 Amp
Electrical protection	16 Amp
PLC	ABB
Touch Screen	Exter

System Delivery Volumes

Up to 450 Liters batch volume. Circulation output up to 30 lpm
 As required by the application.

Construction Materials

Std CDU	White PP or other, on a coated stainless steel chassis
Tubing	HP PFA
Valves	HP PFA
Pumps	PTFE/HP440PFA

Reliability

Uptime	>99.9%
MTBF	2500 hours
MTBA	250 hours
MTTR	2 hours, subject to spares being available on site