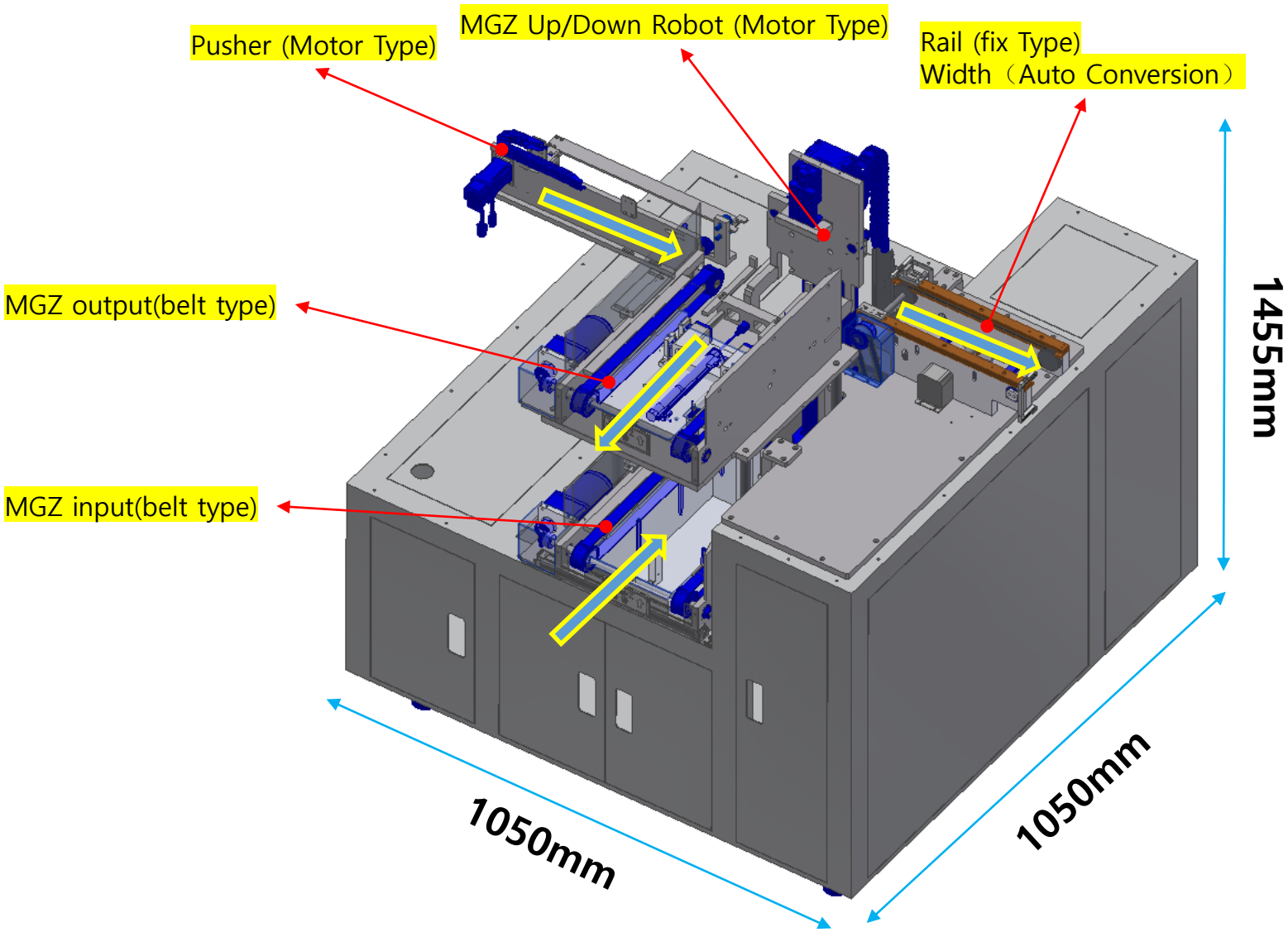
SINGLE LOADER SYSTEM (size: 1050 x 1050 x 1455 mm)

SS OTRON Co., Ltd.



SINGLE LOADER SYSTEM (size: 1050 x 1050 x 1455 mm)

SS OTRON Co., Ltd.

Specification		
1	Applicable Substrate	PCB / BOAT / LD Frame
2	Applicable Tools	Single Boat
3	Machine Dimension (mm)	1,050(W) x 1,050(D) x 1,455(H) mm
4	Weight (kg)	500 KG
5	Flow Direction	Left to Right
6	Magazine Load Capacity	3 EA
7	Major Component	MGZ Loading Part
		MGZ Unloading Part
		Pusher Part
		MGZ Up / Down Robot Part
		Fix Rail Part
		Metal Frame Body
8	Control	PLC with Touch Panel
9	Utility	AC220V 60Hz 3PHASE; 7 Bar & 12Ø
10	Process	Full MGZ Loading -> MGZ Clamping -> MGZ UP to Pushing Position -> Pusher Pushing PCB(Boat / LD Frame) on Rail -> Rail belt move PCB(Boat / LD Frame) to next machine. -> Empty MGZ Unloading

Dual Offloading System (size: 1500 x 1400 x 2000mm)

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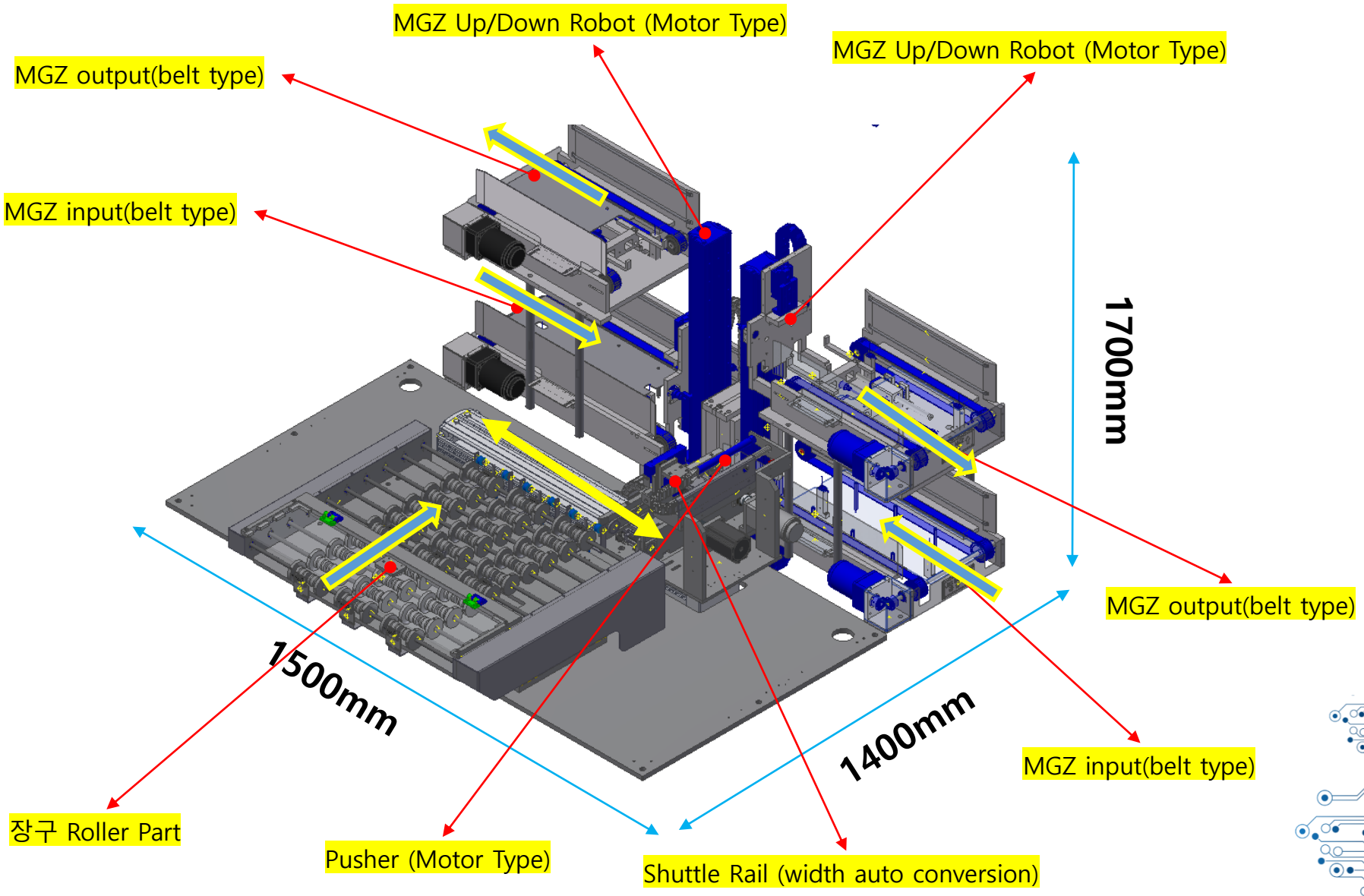

Dual Offloading System (size: 1500 x 1400 x 1700mm)

SS OTRON Co., Ltd.

Specification		
1	Applicable Substrate	PCB / BOAT / LD Frame
2	Applicable Tools	Single Boat
3	Machine Dimension (mm)	1,500(W) x 1,400(D) x 1,700(H) mm
4	Weight (kg)	600 KG
5	Flow Direction	Left to Right
6	Magazine Load Capacity	3 EA + 3 EA
7	Major Component	Dual MGZ Loading Part
		Dual MGZ Unloading Part
		Pusher Part
		MGZ Up / Down Robot Part
		Shuttle Rail Part
		장구Roller Part
		Metal Frame Body
8	Control	PLC with Touch Panel
9	Utility	AC220V 60Hz 3PHASE; 7 Bar & 12Ø
10	Process	Empty MGZ Loading -> MGZ Clamping -> MGZ UP to Pushing Position ->PCB(Boat / LD Frame) comes in 장구Roller -> PCB(Boat / LD Frame) move on Shuttle Rail -> PCB(Boat / LD Frame) Unloading to MGZ-> Full MGZ Unloading

BOAT LOADER SYSTEM(size: 1400 x 2500 x 2000mm)

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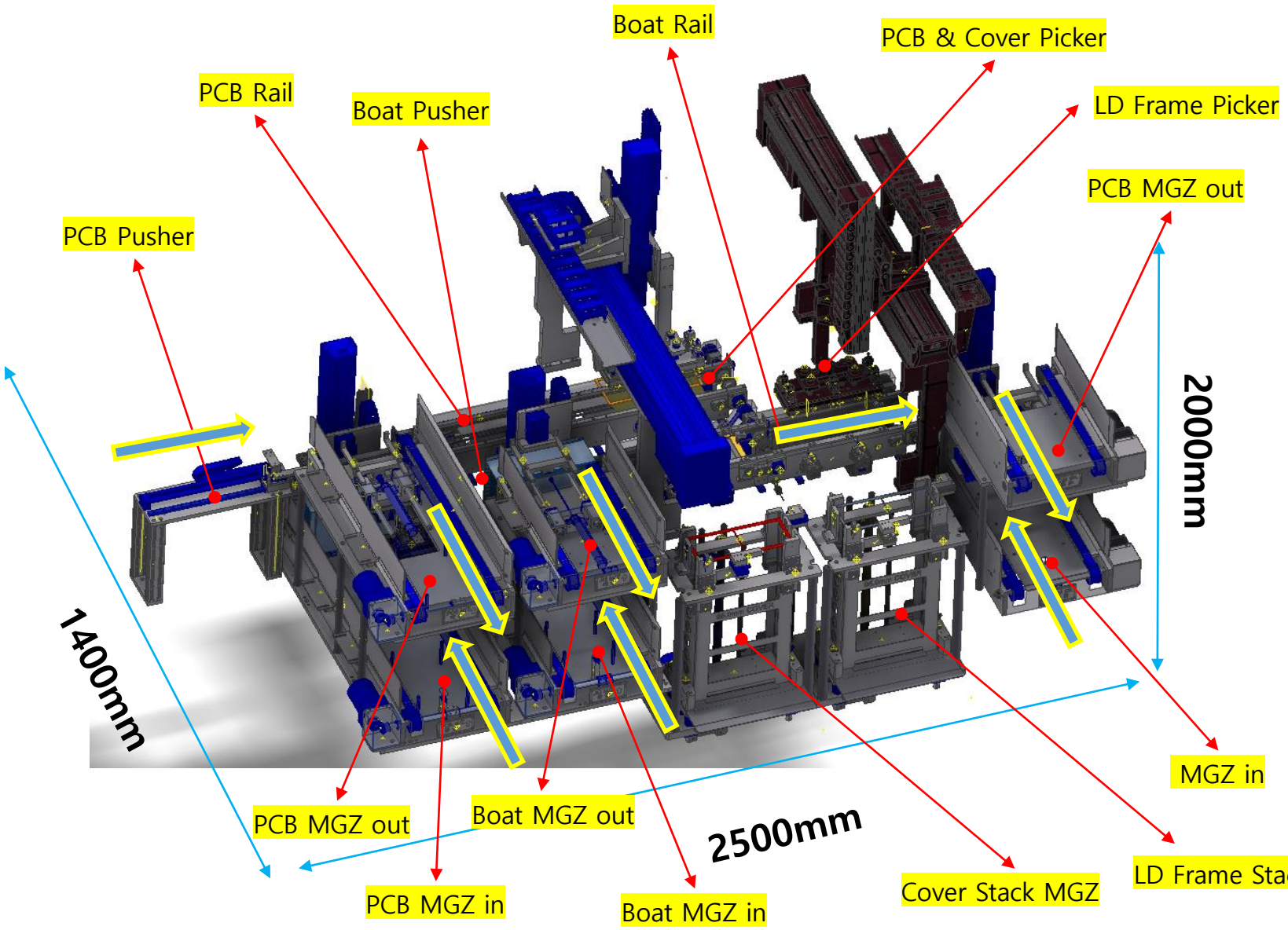


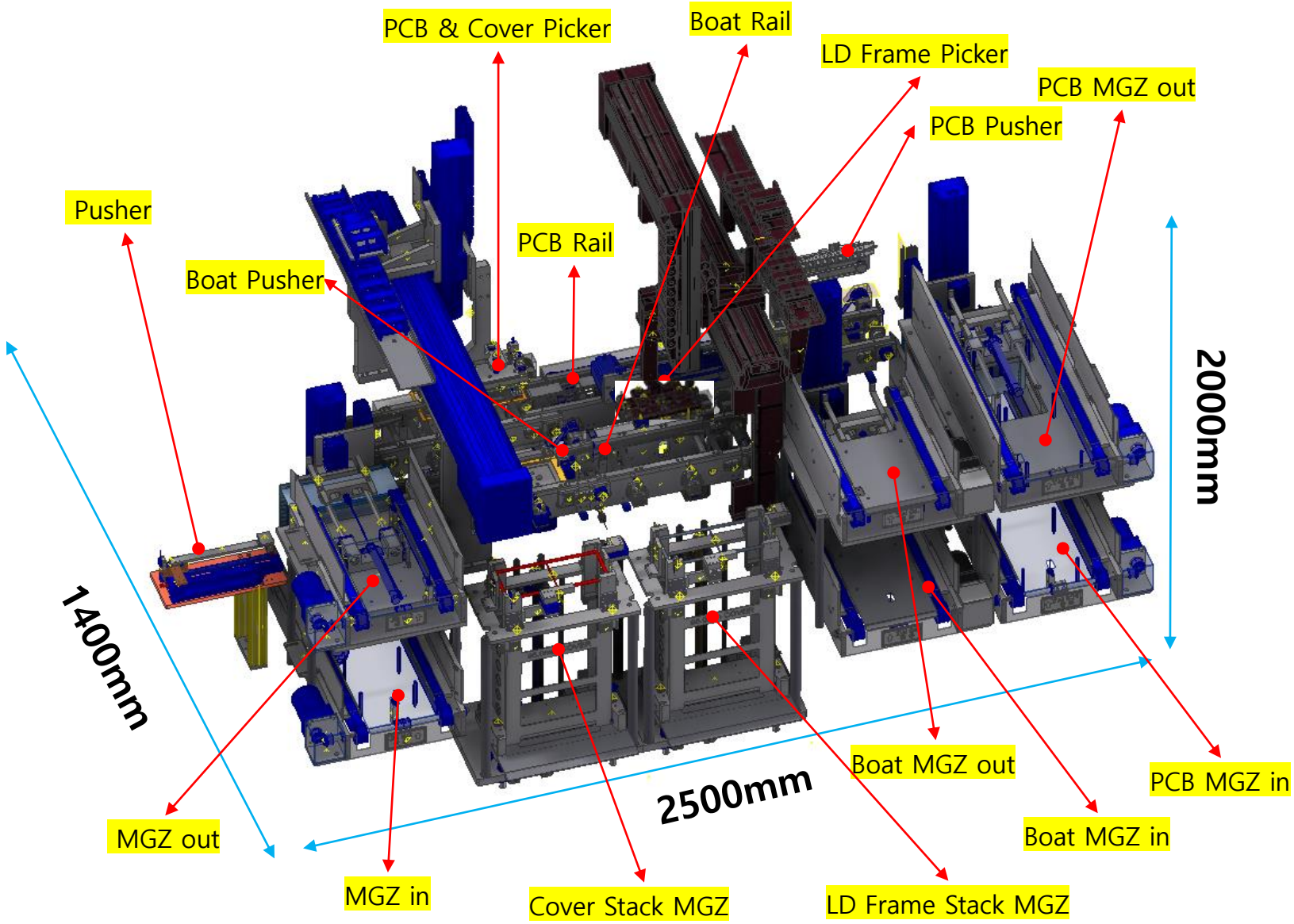
BOAT LOADER SYSTEM(size: 1400 x 2500 x 2000mm)

SS OTRON Co., Ltd.

Specification		
1	Applicable Substrate	PCB / BOAT / LD Frame
2	Applicable Tools	Single Boat
3	Machine Dimension (mm)	1,400(W) x 2,500(D) x 2,000(H) mm
4	Weight (kg)	2000 KG
5	Flow Direction	Left to Right
6	Magazine Load Capacity	PCB MGZ 3 EA / BOAT MGZ 3 EA
7	Major Component	PCB MGZ / JIG MGZ / Assembly MGZ Loading & Unloading Part
		PCB / BOAT Pusher Part
		PCB / BOAT Rail Part
		PCB / BOAT / Assembly MGZ Up & Down Robot
		PCB & Cover / LD Frame Picker
		Cover / LD Frame Stack MGZ
		Metal Frame Body
8	Control	PLC with Touch Panel
9	Utility	AC220V 60Hz 3PHASE; 7 Bar & 12Ø
10	Process	1) PCB & Boat MGZ (Full) Loading -> MGZ Up to Pushing Position->Cover Stack MGZ Loading -> Cover goes up to Pick up Position-> Pusher Pushing PCB & Boat On Rail -> PCB & Boat move to Pick & Place Position-> Picker Pick up PCB to Boat-> Picker Pick up Cover to PCB -> Boat & PCB & Cover Unloading to MGZ-> Full MGZ Unloading. 2) LD Frame Stack MGZ Loading -> Empty Slot MGZ Loading -> Check 간지 or LD Frame -> Picker Pick up 간지 to 간지 Box / Picker Pick up LD Frame to Rail -> LD Frame Unloading to Slot MGZ -> Slot MGZ Unloading.

BOAT UNLOADER SYSTEM (size: 1400 x 2500 x 2000mm)

SS OTRON Co., Ltd.



BOAT UNLOADER SYSTEM (size: 1400 x 2500 x 2000mm)

SS OTRON Co., Ltd.

Specification		
1	Applicable Substrate	PCB / BOAT / LD Frame
2	Applicable Tools	Single Boat
3	Machine Dimension (mm)	1,400(W) x 2,500(D) x 2,000(H) mm
4	Weight (kg)	2000 KG
5	Flow Direction	Left to Right
6	Magazine Load Capacity	PCB MGZ 3 EA / BOAT MGZ 3 EA
7	Major Component	PCB MGZ / JIG MGZ / Assembly MGZ Loading & Unloading Part
		PCB / BOAT Pusher Part
		PCB / BOAT Rail Part
		PCB / BOAT / Assembly MGZ Up & Down Robot
		PCB & Cover / LD Frame Picker
		Cover / LD Frame Stack MGZ
		Metal Frame Body
8	Control	PLC with Touch Panel
9	Utility	AC220V 60Hz 3PHASE; 7 Bar & 12Ø
10	Process	1) Boat & PCB & Cover (Full) /-> Boat / PCB (Empty) MGZ Loading-> Boat & PCB & Cover (Full) MGZ Up to Pushing Position/Boat / PCB (Empty) MGZ Up to Boat /PCB in put Position -> PCB & Boat move to Pick & Place Position->Picker Pick up Cover Unloading to Cover Stack MGZ -> Picker Pick up PCB to PCB Rail-> PCB Unloading to PCB MGZ / Boat Unloading to Boat MGZ -> PCB MGZ / Boat MGZ Unloading. 2) LD Frame (Full) Slot MGZ Loading -> MGZ Up to Pushing Position-> Pusher Pushing LD Frame to pick up Position -> Picker pick up LD Frame Unloading to Stack MGZ