

## RND EFEM (Equipment Front End Module)



RE-2P



RE-3P

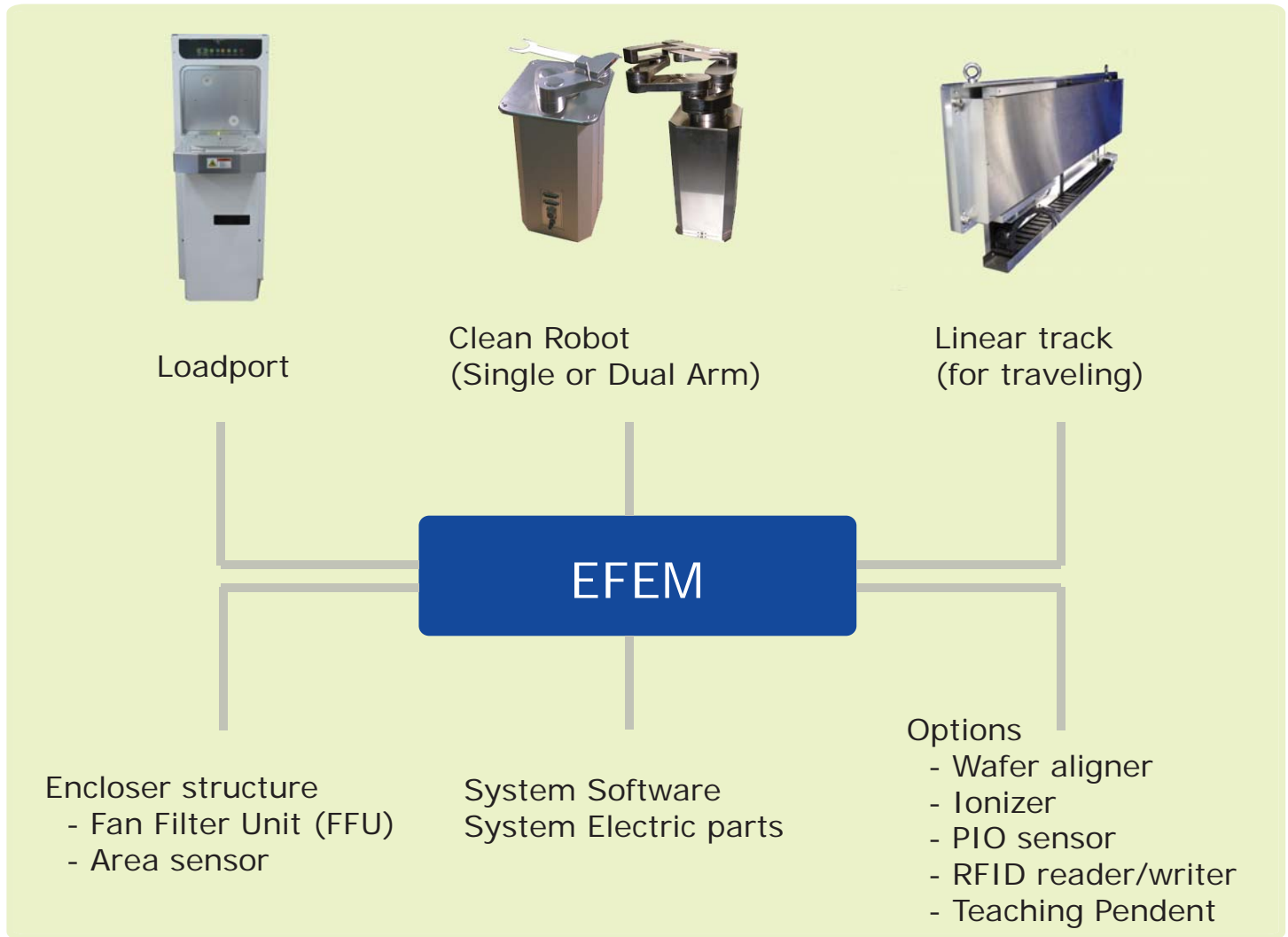


RE-4P

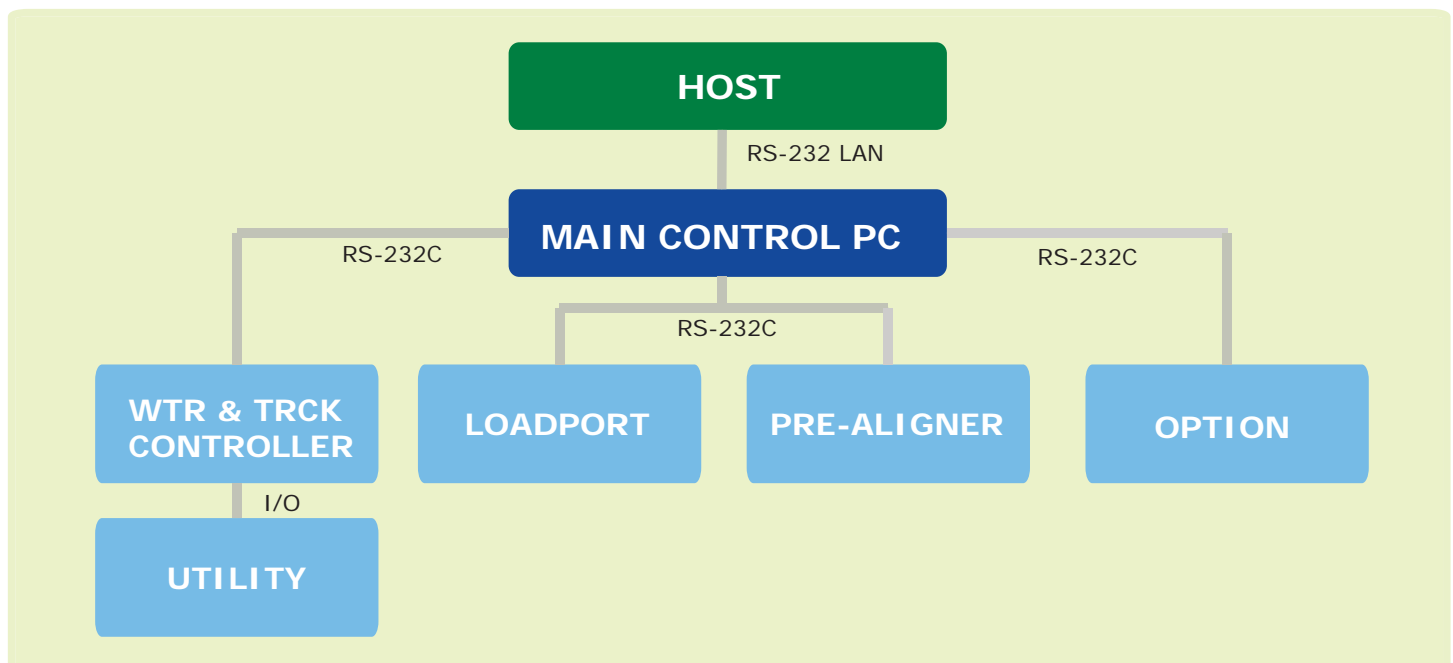
### *Features*

- Integrating a prealigner with a clean robot results in a small foot print and allows space to be used with great efficiency
- Clean Robot with an end-effector on a rotary axis operates without a traverse axis contributing to a high throughput (Smart motion robot in 2 or 3 Port EFEM)
- Clean robot's air-flow simulation optimizes and ensures high level of Cleanliness

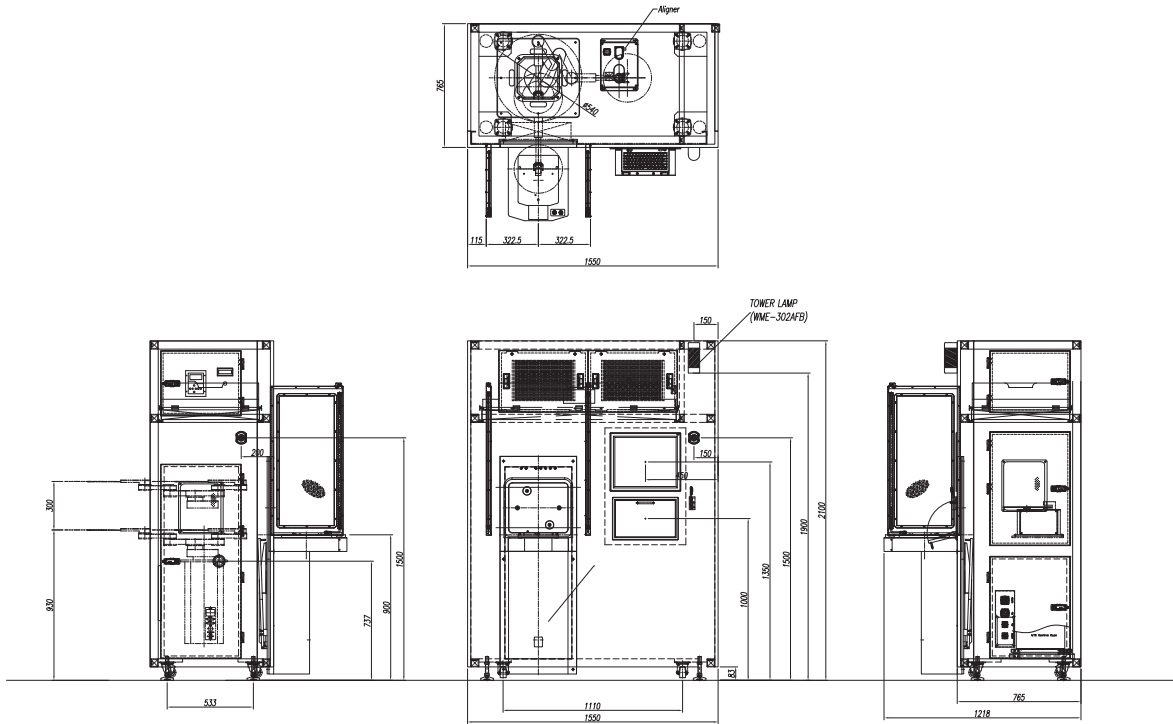
## Configuration



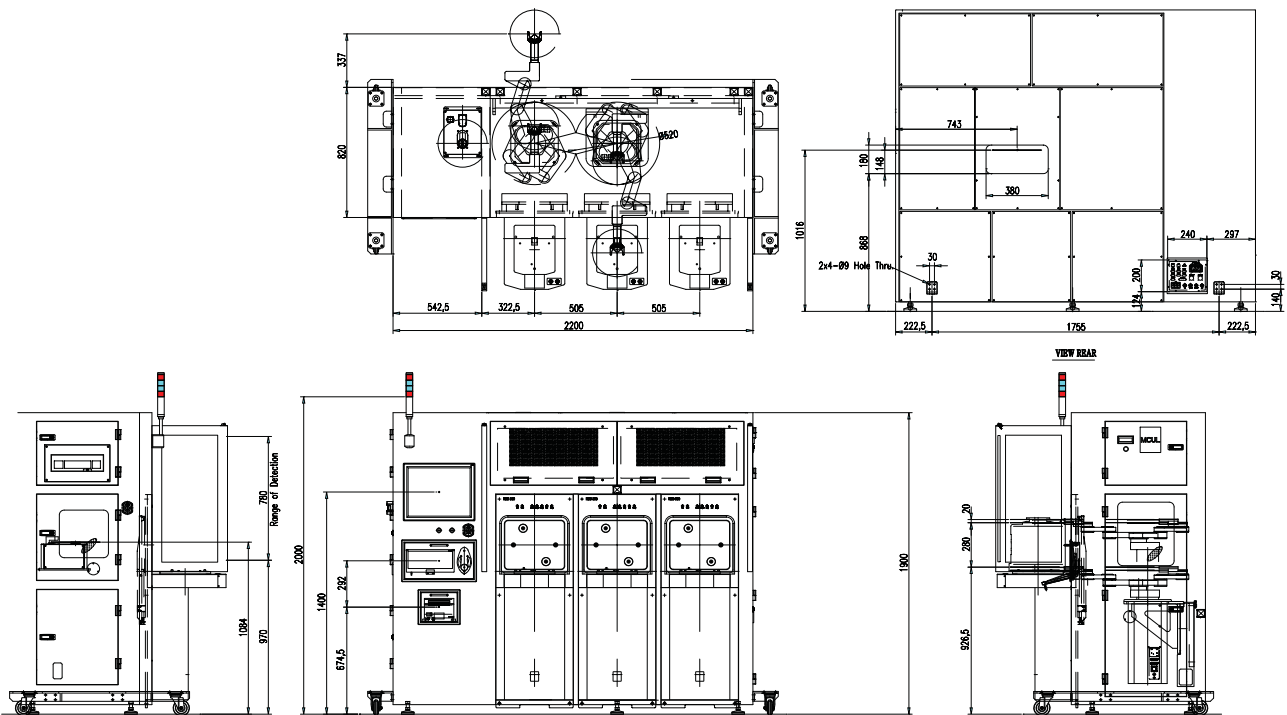
## Communication



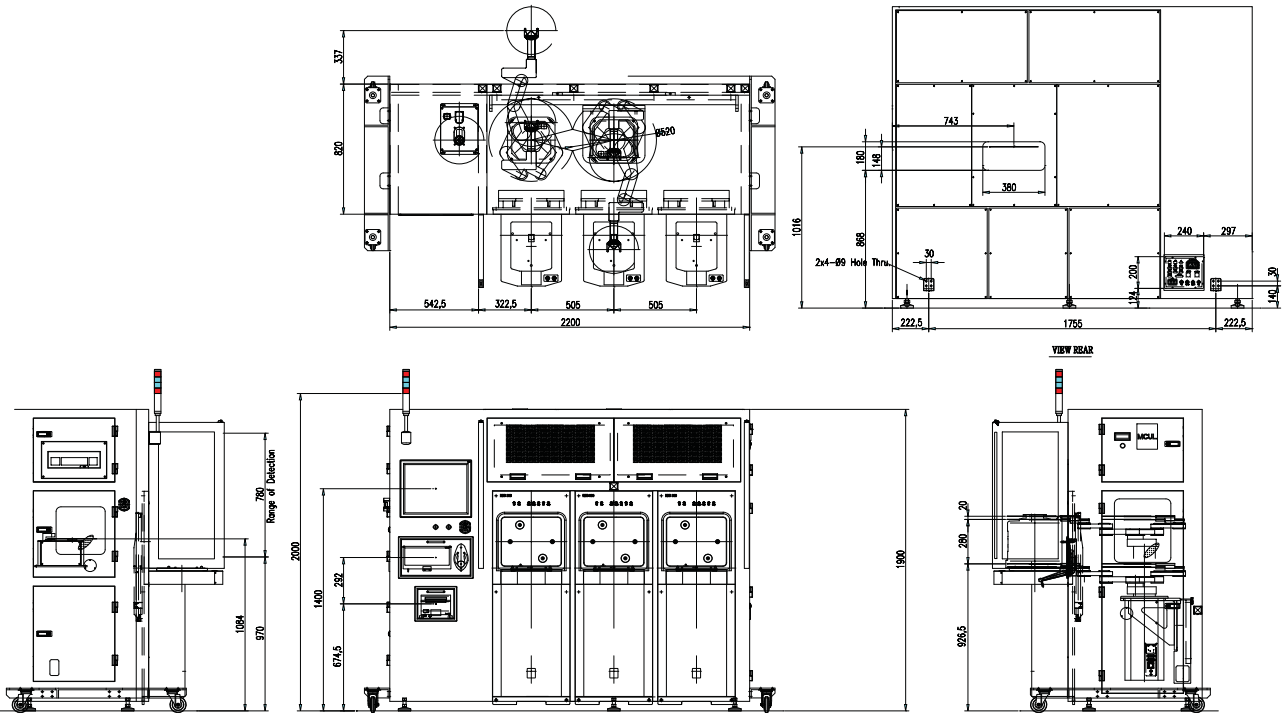
1 Port EFEM  
(RE-1P)



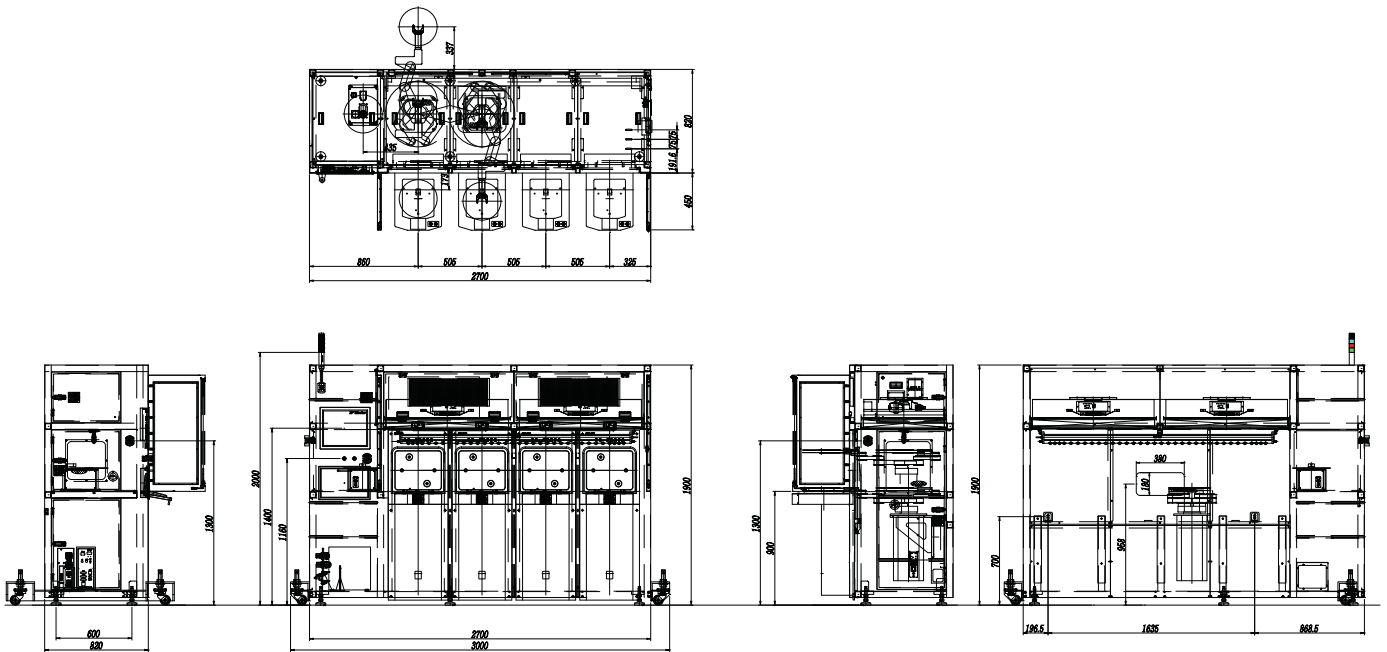
3 Port EFEM  
(RE-3P)



3 Port EFEM  
(RE-3P)



4 Port EFEM  
(RE-4P)



## RND EFEM(Equipment Front End Module) Specification

MODEL	RE-2P	RE-3P	RE-4P
Loadport	2 port	3 port	4 port
Size (mm)	1355x760x2000	1860x678x2000	2365x678x2000
Weight	250 kg	350 kg	450 kg
	General Specification		
Height	2,000~2,800 mm		
Width	1,650~1,854 mm (at 3PODs)		
Depth	678mm		
Weight	Less than 480 kg		
Carrier	300mm FOUP (SEMI E14.7 - 1101 Compliance)		
Cleanliness	Class@0.1 $\mu$ m		
Laminar Flow Recovery Time	Less than 1 mininute		
Repeatability	Less than 0.1mm@3sigma		
Alighment accuracy/Time	$\pm$ 0.05 Degree/6 sec		
Electric Supply	220V $\pm$ 10%(60Hz, 1 $\phi$ ) 3 wires + ground, no neutral		
Accustic Noise	Less than 60dB		
Communication	Ether-Net(HSMS)		
MTBF/MTTR	More than 2,000hrs/ Less than 2hrs		
User Interface	GUI-Touch Screen(Optional)		