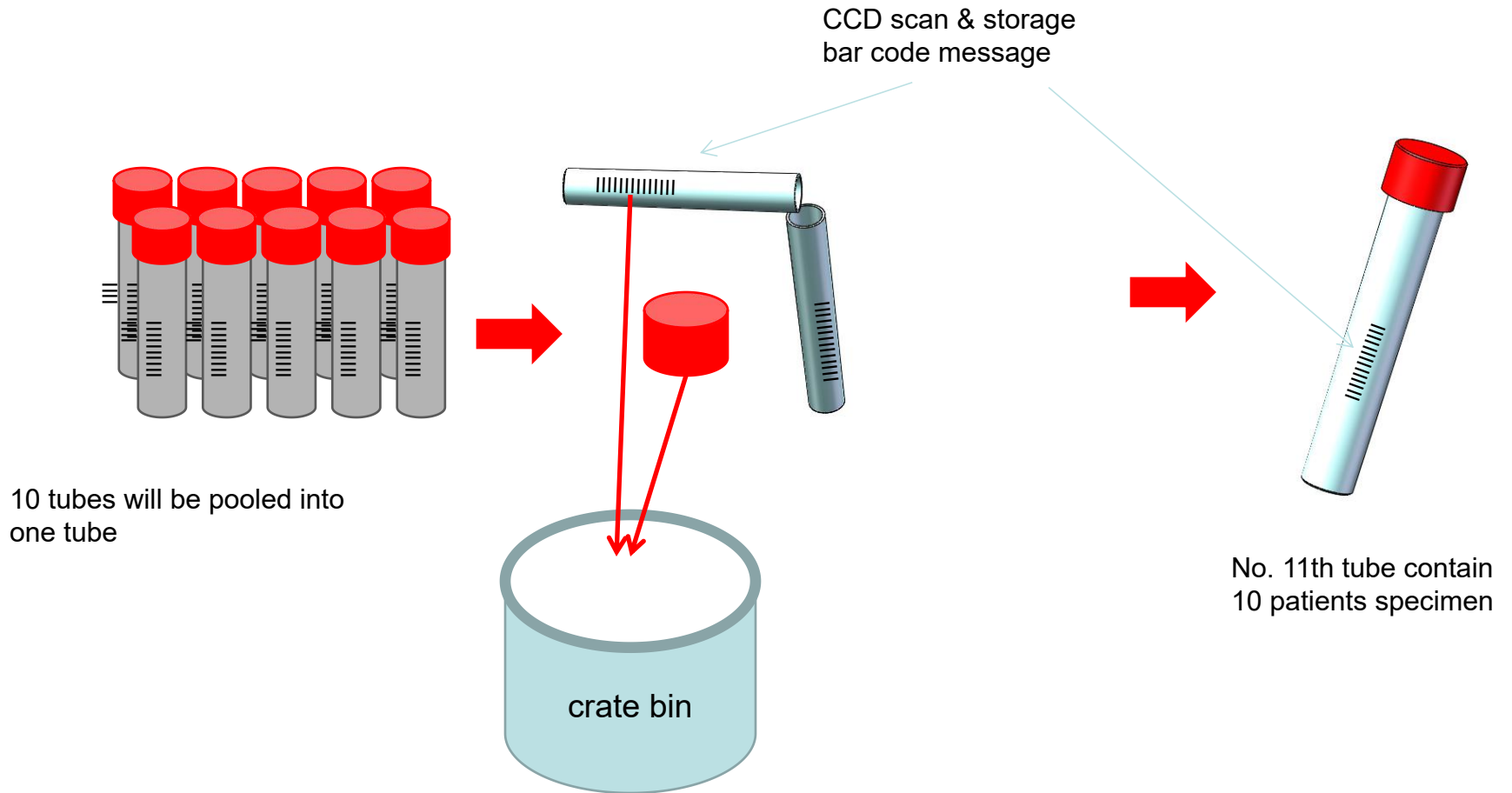


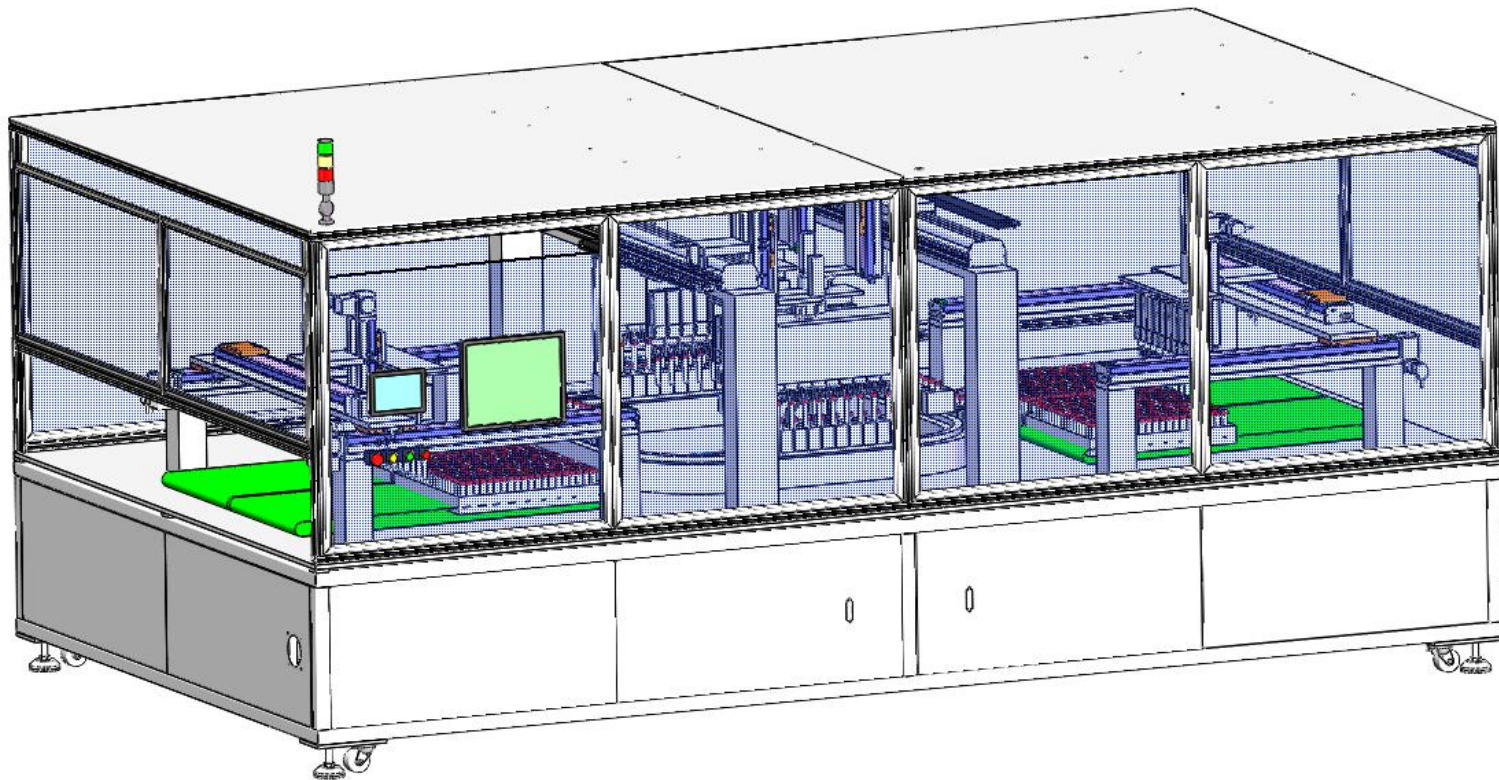
VTM Kit Sample Pooling System

**Fully Automatic
High throughput
10,280 tubes/hour**

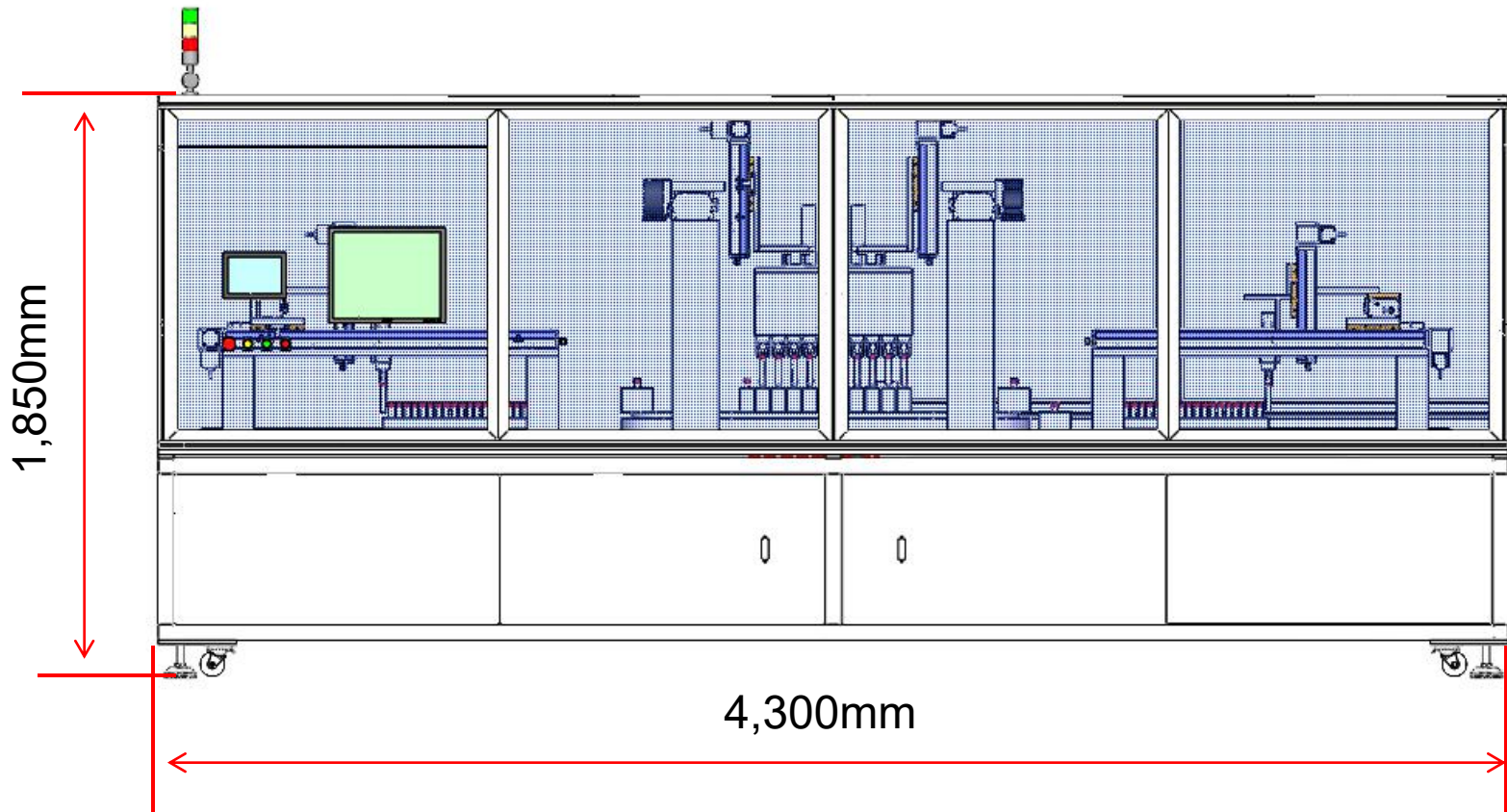
Principle



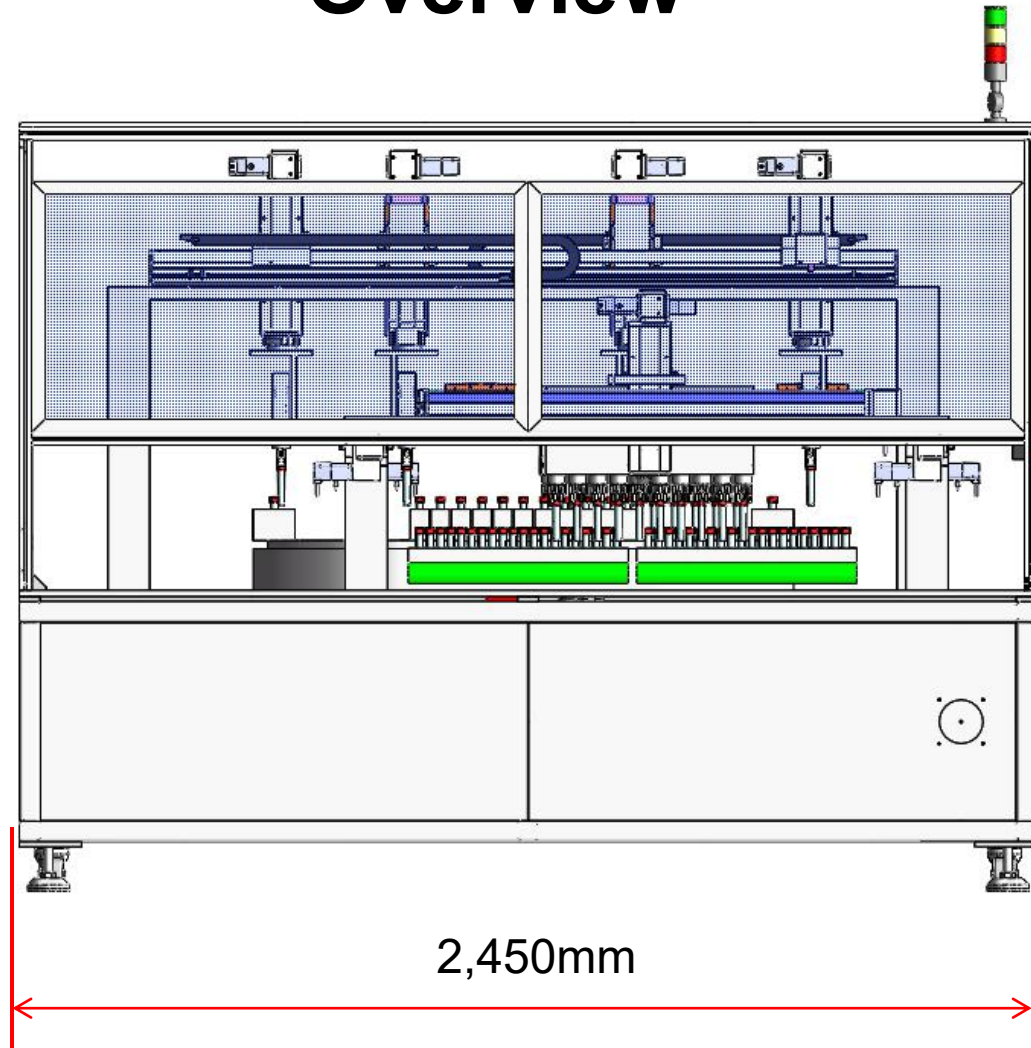
Overview



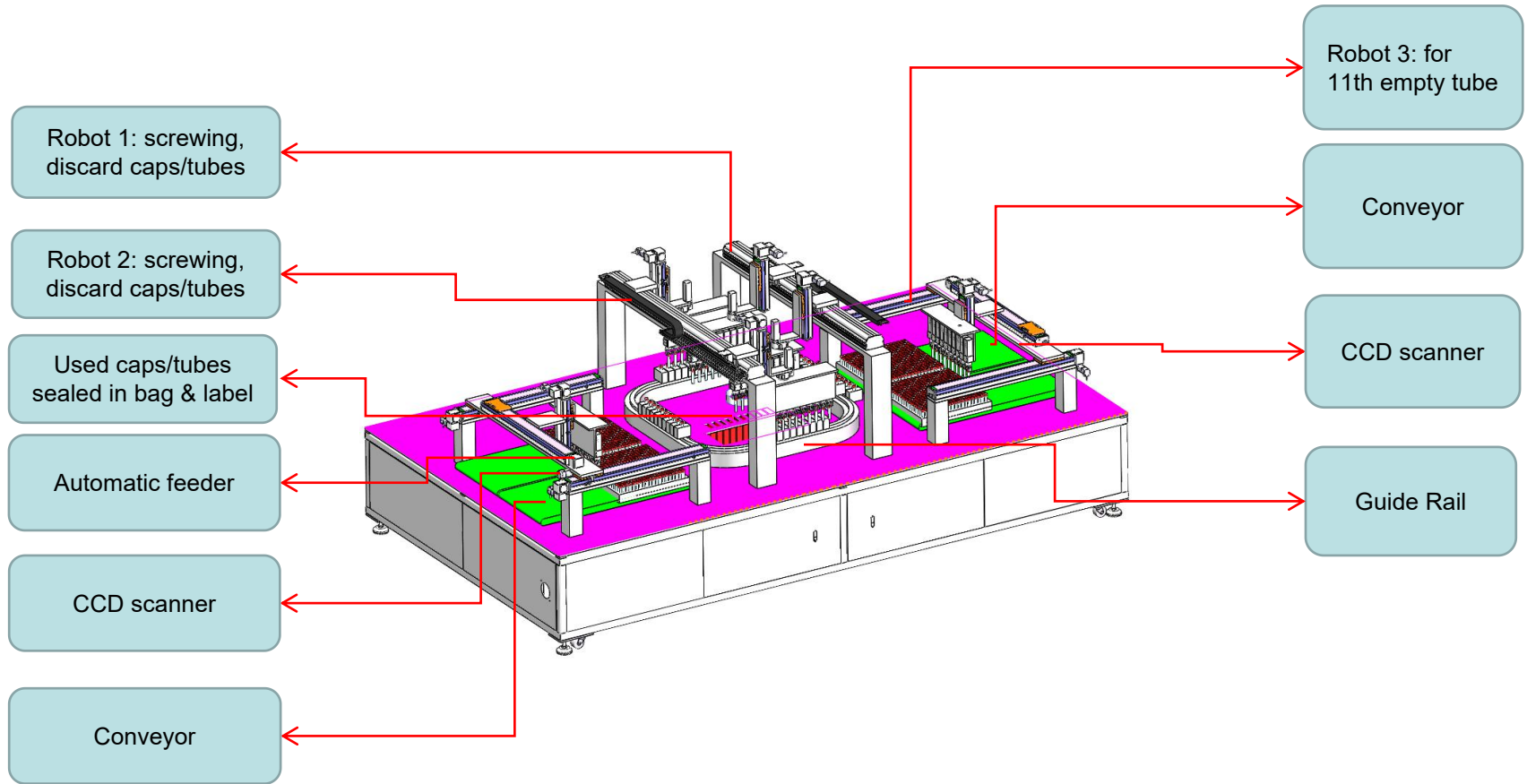
Overview



Overview



Overview & Workflow



Time & Capacity

No.	Station	Procedure	Time (s)	Total Time (s)	Remark
1	Tube feeding	take tube, scan label & storage information	3.5	3.5	
2	Capping	screw up, discard cap	3.5	3.5	
3	Pooling	pooling liquid	3.2	3.2	
4	Discard	grip empty tube and discard	3.5	3.5	
5	Finish product	screw tightly cap & output	3.5	3.5	
6	Waste	insert waste cap and tube into a bag, sealing and labeling			

UPH: $(3,600/3.5) * 10 = 10,280$ tubes/h (1,028 the 11th tubes/hour)