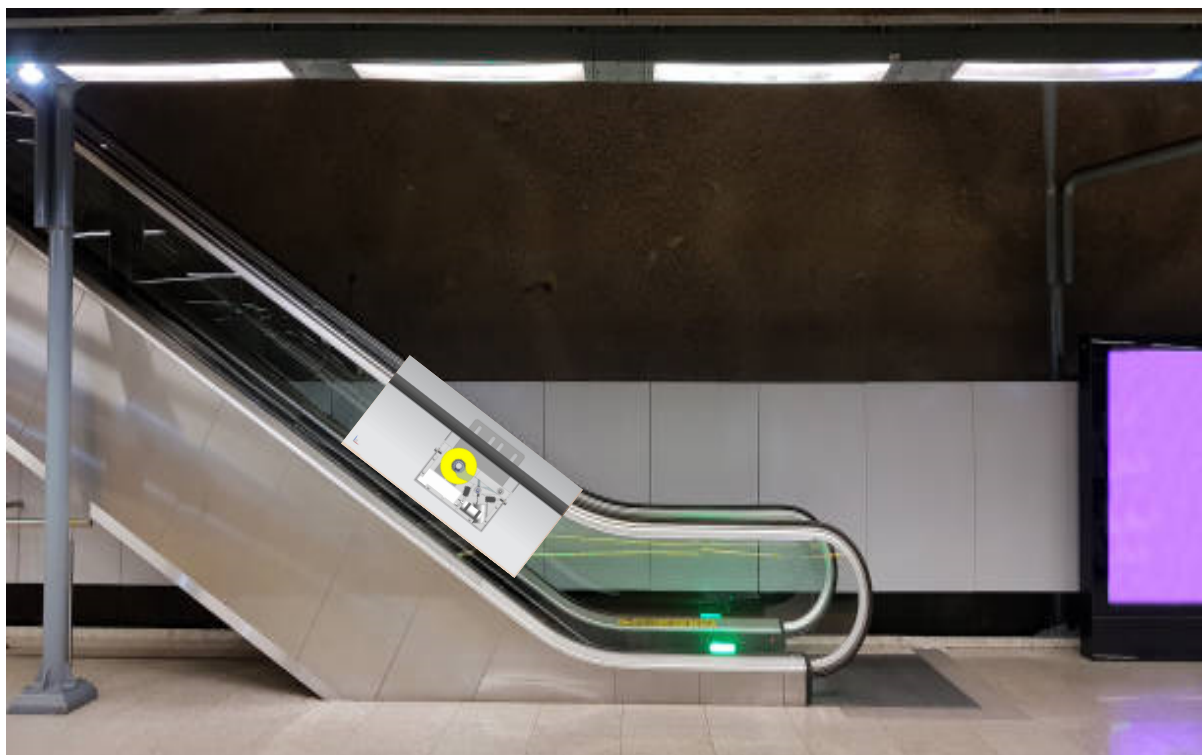


Disinfection Device for Escalator Handrails

自動梯扶手帶消毒裝置



Solution Feature

方案特點

1. Public Safety: “Risk of pinching and trapping of fingers or clothing in the inlet area of any exposed-type handrail cleaning device” (Circular No. 6/2019). [The sterilizer will be installed under the truss. Risk of pinching and trapping of external substances is avoided.]

公共安全考慮：“外露式扶手清潔裝置需考慮手指或衣服在入口區域被夾的風險”（Circular No. 6/2019）。[由於此消毒器將安裝在扶手電梯的桁架槽內，外物被夾的風險是可以避免]

2. No impact / corrosion effect on the cover rubber of a handrail. [This sterilizer will deploy non-corrosive sterilizing solution on the cleaning roller which is also covered with a layer of soft material.]

對扶手橡膠造成表面刮花/腐蝕性損害考慮。[此消毒器將在清潔滾輪上配置非腐蝕性消毒液，並在清潔滾輪上覆蓋一層超柔軟的清潔布料。]

3. System Safety: “Impact-Reset” Design [The cleaning roller will be reset to the original position when high force/impact/shock caused by the downward movement of handrail.]

系統安全性考慮：“撞擊復位”設計 [當扶手帶向下移動而產生較大的力度/衝擊/震動時，清潔滾輪將回復到原來的位置，確保消毒器的清潔滾輪不會承受嚴重衝擊時所帶來的破壞。]

4. System Flexibility: [Cleaning roller operational frequency and usage of disinfectant could be determined by users’ requirement.]

系統靈活性考慮：[用戶可自行決定清潔滾輪的清潔次數及消毒液的選擇。]

5. Hassel-free Maintenance: Replacement of Main Unit [1-to-1 replacement of main unit (and new disinfectant) will be conducted by well-trained escalator contractor.]

簡易維護保養考慮：主機更換 [由授訓合資格的自動扶梯承包商，定期替主機及消毒液進行一對一更換。]

Trial Application and Expected Outcome

試驗應用及預期成果

1. This sterilization device is a mechanical system which can help to remove germs including bacteria and virus attached on the surface of escalator handrail automatically.

此機械性消毒裝置，能定時及有效地把電梯扶手帶表面的微生物包括細菌和病毒消除。

2. It is anticipated that the expenditure on escalator handrail cleaning would be greatly reduced when this sterilization device is installed.

應用此消毒裝置後，預計大大減少為電梯扶手進行清潔消毒的支出。

Basic Operation

基本操作

