SINFONIA TECHNOLOGY CO., LTD. continually upgrades and improves its products. Actual features and specifications may therefore differ slightly from those described in this catalog.



Industrial Transportation System Dept.

Shiba NBF Tower, 1-30, Shibadaimon 1-chome, Minato-ku, Tokyo, 105-8564, Japan TEL +81-3-5473-1829 FAX +81-3-5473-1842

SINFONIA TECHNOLOGY (THAILAND) CO., LTD.

12th Floor Room 1205, 319 Chamchuri Square Building, Phayathai Road, Pathumwan Bangkok Bangkok 10330, Thailand TEL +66-2160-5068 FAX +66-2160-5069

SINFONIA TECHNOLOGY (SINGAPORE) PTE. LTD.

33 Ubi Ave. 3, Vertex Tower A, #08-69, Singapore 408868 TEL +65-6223-6122 FAX +65-6225-2729

PT. SINFONIA TECHNOLOGY INDONESIA

Graha Paramita 8th Floor Suite E Jl. Denpasar Raya Block D2 KAV. 8 Kuningan, Jakarta 12940 Indonesia TEL +62-21-252-3606 FAX +62-21-252-3608

Contact

Sammitr Motors manufacturing Public Co., Ltd.

L24-100, Chamchuri Square, 319 Phyathai road, Phatumwan, 10330 Bangkok, Thailand Tel: +66-2-007-2162 Fax +62-2-007-2164









Ground Support Equipment

Lineup



Container Pallet Loader

For Stable and Smooth Handling of Containers and Pallets



4PDL7H-370WSF	
Load Capacity	7000 kg
Container Available	LD1 to LD3 two LD6 to LD8 one
Pallet Available(Max)	96"x125" one
Length	8880mm
Width	4400mm
Lifting Height	Main Platform 500mm to 3700mm Bridge Platform 1750mm to 3700mm



PDL3.5-340EEFT		
Load Capacity	3500 kg (7700lbs)	
Container Available	LD1 to LD3 two	
	LD6 to LD8 one	
Length	8591mm	
Width	3060mm	
Lifting Height	Main Platform 490mm to 3400mm	
Bridge Platform	1750mm to 3400mm	

Container pallet loaders, which are consist from elevating equipment, main platform, and bridge platform, handle containers and pallets safely, and quickly.



PDL6.8-360SESR		
Load Capacity	6800 kg (15000lbs)	
Container Available	LD1 to LD3 two LD6 to LD8 one	
Pallet Available(Max)	96"x125" one	
Length	8415mm	
Width	3285mm	
Lifting Height	Main Platform 490mm to 3600mm Bridge Platform 1715mm to 3600mm	

Main-Deck Loader

Powerful Handling for Heavy Cargo

Main deck loaders are used for handling heavy cargos to cargo jets. PDL27-560 is single platform type, and it's suitable for handling long cargo items.



PDL27-560	
Load Capacity	27000 kg
Length	11980mm
Width	4300mm
Pallet Available	96"x125" two
Lifting Height	490mm to 5600mm
Platform Width	3250mm
Platform Length	9290mm



PDL32-560		
Load Capacity	32000 kg	
Length	11980mm	
Width	4300mm	
Pallet Available	96"x125" two	
Lifting Height	490mm to 5600mm	
Platform Width	3250mm	
Platform Length	9290mm	



PDL13.5-550WS		
Load Capacity	13500 kg (30,000lbs)	
Length	11660mm	
Width	4545mm	
Pallet Available	96"x125" one	
Lifting Height	Main Platform 495mm to 5500mm Bridge Platform 2000mm to 5500mm	
Container Available	LD1 to LD3 two LD6 to LD8 one	

ransporter

Interface with aircraft container pallet loaders, container pallet dollies, and truck loading

Sinfonia's transporters are durable and reliable. Moreover, because maintenance is simple, it can be used for longer period to support smooth material handling operation.



PDL6.8-160	
Load Capacity	6800 kg (1500lbs)
Overall Length	4200mm
Overall Width	4100mm
Overall Height	1900mm
Pallet available(Max)	96"x125" one
Lifting Height	1600mm



TDH7		
Load Capacity	7000 kg	
Overall Length	4200mm	
Overall Width	4100mm	
Overall Height	1900mm	

PDL8L-180	
Load Capacity	8000 kg
Length	6570mm
Width	4300mm
Pallet available(Max)	96"x238.5" one
Lifting Height	1800mm

03

Conveyor Belt Loader

Realizing Stable and Safe Handling

This vehicle is used for bulk loading and unloading of baggages. By using belt conveyor, smoothly load, and unload passenger's baggages. Sinfonia Technology also supplies electric belt loaders which are low noise, and zero-emission.



2DBLS1-415 Series	
Capacity	1000 kg
Lifting Height	4125mm
Length	7650mm
Width	2050mm
Height without Roof	1425mm
Conveyor Length	7650mm
Conveyor Width	800mm
Belt Width	600mm

LIDAR sensor applied product

This system automatically slows down GSE's driving speed when the vehicle approaches to an aircraft by detecting distance with a LIDAR sensor



05

Passenger Step

Supporting Comfortable Enplaning and Deplaning of Passengers in the Apron Area

Passenger steps equip step frames which consist of an adjustable step and a main step on truck mounted or self-propelled chassis, which are applicable for wide range of aircrafts.

In short, the vehicles support passenger's safe and comfortable travel.







heel chair lifter *Option

PES=750 Series (with Canopy)	
45 passengers	
10900mm	
3360mm	
6070mm - 7780mm	
2680mm - 4770mm	
2915mm X 2650mm	

2PES-750UL		
Canacity	70 nagangara	
Capacity	70 passengers	
Overall Length	9460mm - 11600mm	
Overall Width	3360mm	
Height	6070mm - 7780mm	
Platform Height	2680mm - 4770mm	
Platform size	1800mm X 2000mm	

owing Tractor

Transport Aircraft Safely, and Accurately without Wasting Jet Fuel



Sinfonia's push-back towing tractors with over cab type design provides easy towing operations. Applicable for various aircrafts types for improved operators comfort.

TD-3000T-50	
Length with GPU Platform	8300mm
Width	2920mm
Height	2900mm
Dead Weight	50000kg
Draw bar Pull	353kN (µ=0.73)



TD-1000T	
Length	5400mm
Width	2550mm
Height	3000mm
Dead Weight	14300kg
Draw bar Pull	95kN

Ground Power Unit

Stably Supplying Power to Aircrafts



Ground Power Unit

A GPU supplies power for equipment of aircraft such as indicators, radars, equipment for maintenance, and starter of engine before take-off.

	AC	DC
Rated output	40kVA~180kVA (Continuity)	500A~800A (1h (perhour))
Rated voltage	115V/200V	
Frequency	400Hz	28V
Output Current		~2000A

Solid State Converter

Solid State Converter is used for converting commercial power from 50/60Hz to 400Hz for aircraft maintenance.



	AC
Rated output	60kVA~180kVA(Rated)
Rated voltage	115V/200V
Frequency	400Hz
Number of phase	3 phase 4 lines