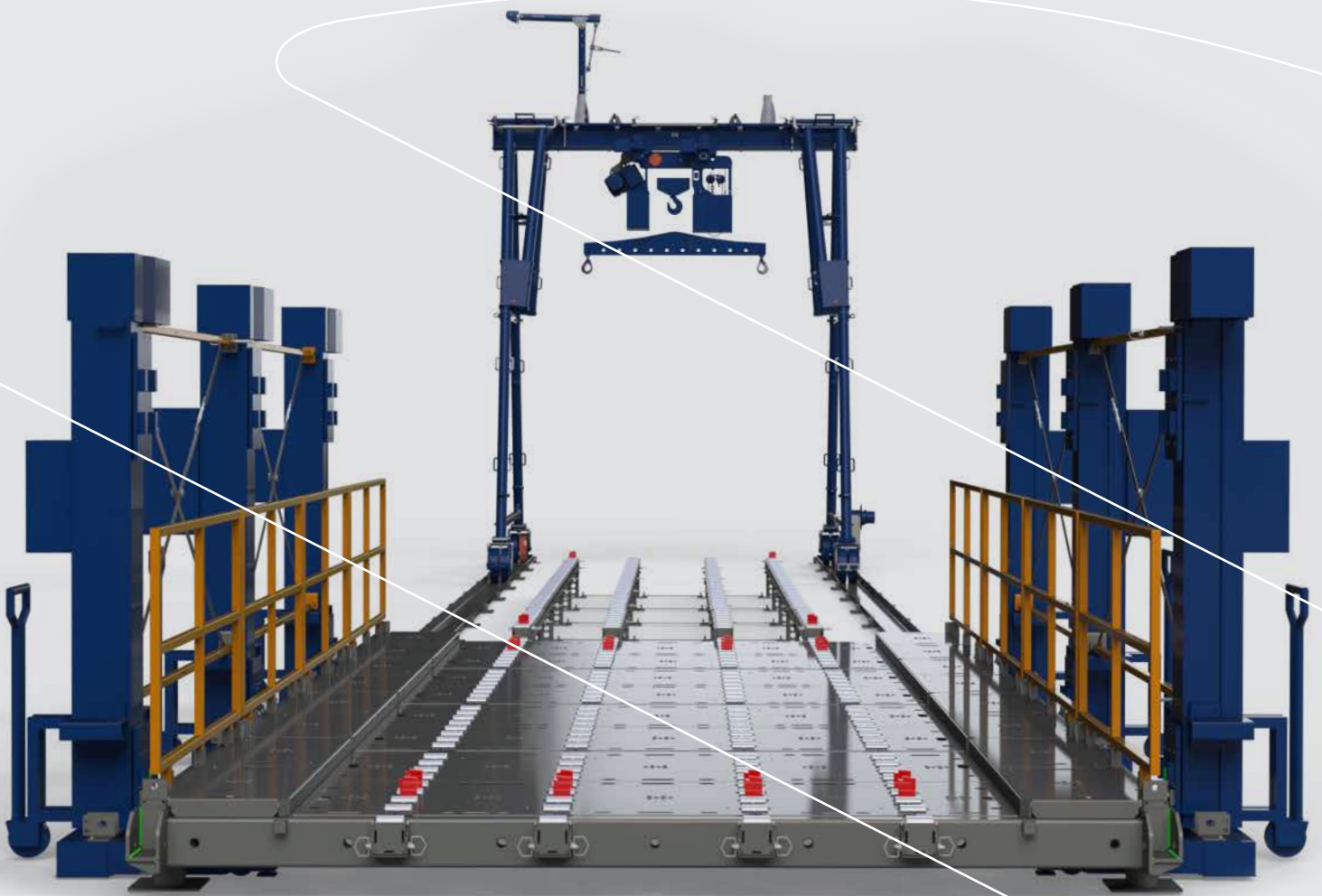


## Mobile Air Cargo Handling System (MACHS)



SOLVING YOUR CARGO HANDLING CHALLENGES

[www.saco.aero](http://www.saco.aero)



- Suitable for:
- Type V Air Drop Platforms up to 24'
  - 48" disposable airdrop skids
  - 463L (HCU-6E) Military Cargo Pallets
- Entire system
- Can be securely stowed on dedicated custom pallets for air transport on 9x 463L (HCU-6E) Military Cargo Pallets in 1 (one) Airbus A400M
  - Can be fully manually (dis)assembled by a group of 6 persons
  - Can be fully manually operated by a group of 6 persons, 1x 63A 400V-50Hz-3PH+N+E electrical power feed will be required for operation of the Lifting Platform, Gantry crane and tooling

NATO-Codification of system and parts Applied for, registration pending

## GANTRY CRANE

Rail mounted Gantry Crane, weighing system, spreader bar and hoist chain spans

Operation	Hoist - Electrical OR Manual / Movement - Manual
Hook height	3,700mm
Span	3,950mm
Safe Working load	12,000kg



## LIFTING PLATFORM

6 Column Lifting Platform including weighing system

Operation	Lift - Electrical / Movement - Manual
Suitable for up to	24' Type V Air Drop Platform
Lifting height ToR	Max. 1,750mm from FFL / Min. 350mm from FFL
Safe Working load	16,000kg



## ROLLER TRACKS

44sets Roller Tracks, 4track configuration,

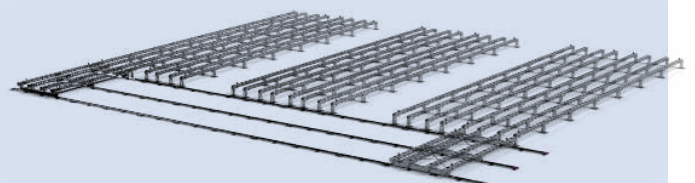
Totalling 88m1 4track configuration roller tracks

Suitable for max. 12x 24' Type V Air Drop Platforms

Easy assembly and levelling within 3% to max. 80mm height difference

Freely configurable to any desired lay-out in 2,3 or 4track configuration

Working Height	Max. 440mm from FFL / Min. 360mm from FFL
Working loads	4track configuration 2,050kg/m1
	3track configuration 1,525kg/m1
	2track configuration 1,025kg/m1





## SHUTTLE

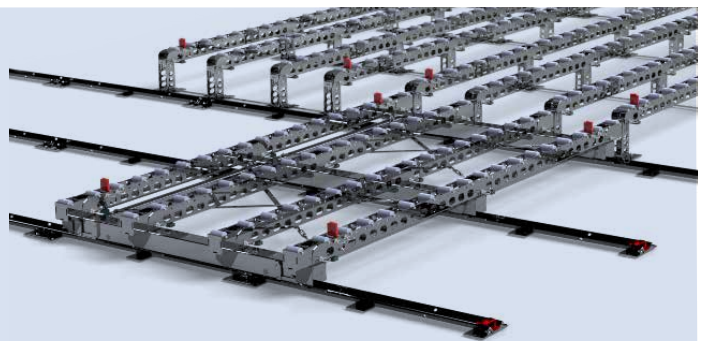
Shuttle, 4track configuration  
Operation

Movement -Manual

Can be built as:

2x for 12' Type V Air Drop Platform  
1x for 24' Type V Air Drop Platform

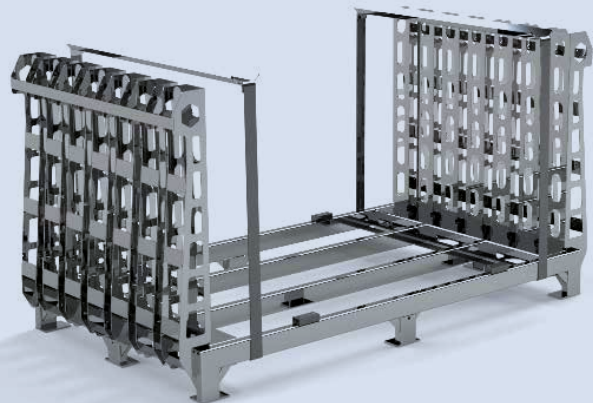
SWL 8,000kg OR  
SWL 16,000kg



## TRANSPORT PALLETS

Dedicated pallets for air transport

1. Support legs transport pallet
2. Small parts & Cover plate's lifting platform pallet
3. Shuttle transport pallet
4. Tools and cross connections Shuttle pallet
5. Roller Tracks and crane rails pallet
6. Roller Tracks transport pallet (No.1)
7. Roller Tracks transport pallet (No.2)
8. Gantry crane and large parts pallet



## LOADING OVERVIEW A400M

1. Support legs transport pallet
2. Small parts & Cover plate's lifting platform pallet
3. Gantry crane and big parts pallets, 2pc. HCU-6EL pallets connected
4. Tools and cross connections traverse pallet
5. Traverse transport pallet
6. Roller Tracks and crane rails pallet
7. Roller Tracks transport pallet
8. Roller Tracks transport pallet

*Total system mass: 32.885kg*

*Including HCU-6E 463L Pallets and netting*

