

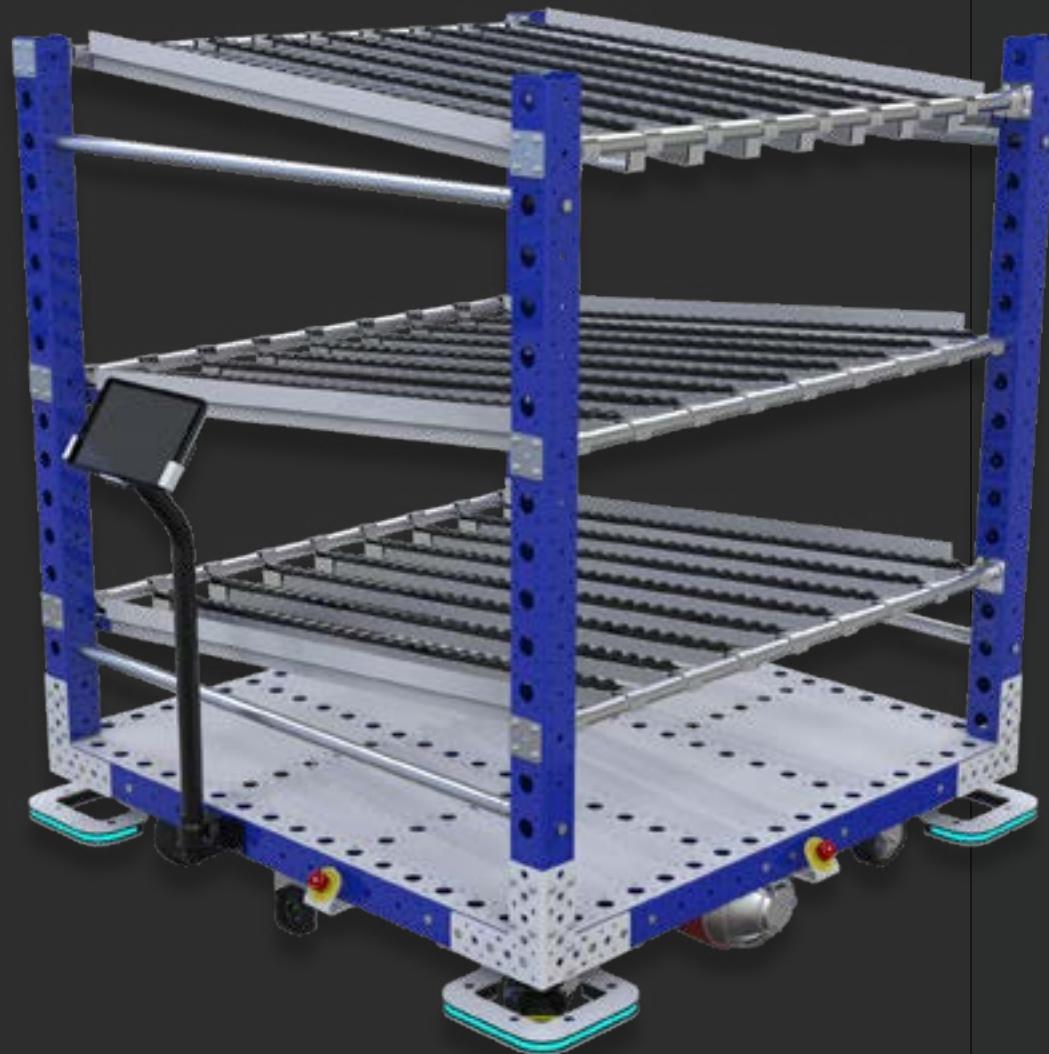
AGV[®]

Smart and Motorized.



 FLEXCUBE[®]

Automation without AGV frustrations.



What is it?

- A smart and motorized FlexQube cart
- Motors, battery and cameras are added to a regular FlexQube cart
- AGV is available in any size and shape

What can it do?

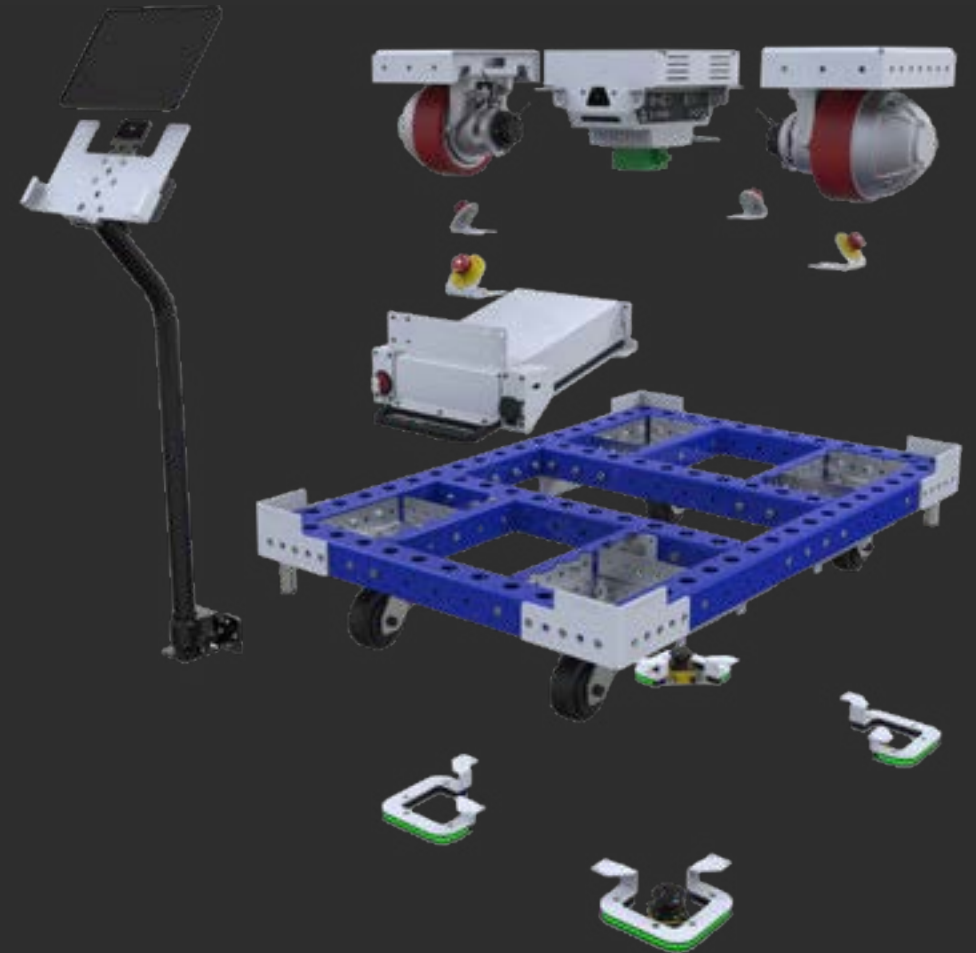
- Modes Manual and line follow
- Navigation Optical (Vision based)
- Max speed 1 m/s
- Control unit 10.4 inch high resolution tablet
- Capacity 2200 lbs
- Battery time 8-10 hours
- Charging Plugin, Swap battery
- Size Variable from 910 × 840 to 2520 × 2520 mm
- Certifications ISO 3691-4:2020
- Safety Technology 2 x Laser scanner (360° field)
- Stop accuracy +/- 10 mm (+/- 0.4 inch)
- Communication WIFI, Bluetooth, GPIO, Ethernet, CANbus, USB

The Future Of Automation Is Flexible.

OUR GOAL WITH THE AGV IS CLEAR – to offer the world's most user-friendly automation solution for internal logistics. It's the easiest to buy, easiest to install, and most comfortable to use. Customers of the FlexQube concept will get its unique flexibility to build a large variety of sizes and top structures.

A lot is said about automation, but reality shows that the threshold for implementation is still too high:

- Projects get stuck in a long inquiry phase
- High maintenance costs
- Greater demand for IT system requirements and dedicated WiFi networks
- Licenses for fleet managers
- Complex integrations with carts and other equipment

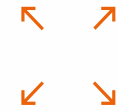


By keeping the DNA of the FlexQube concept, customers can use the full potential of the FlexQube concept to build a wide variety of sizes and customized top structures on material handling carts. The AGV® can support companies to overcome challenges with increasing logistics costs and rapid changes in products and parts.

We hope that the AGV will help businesses stop investigating automation and instead begin to implement. There's a lot of money to save!

Mark Route. Record. Use.

- No cost for infrastructure
- From box to use in under 30 min
- Minimal training required
- Works without WiFi



Flexible



Simple



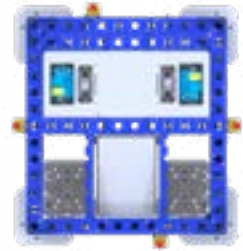
Effective



User case examples

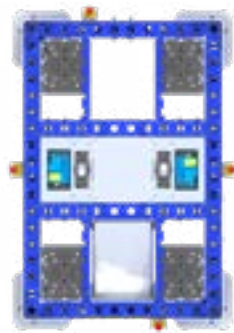
- A to B transports with kits and subassemblies
- Pallet and container transports
- Transport of products during assembly

Size Range.



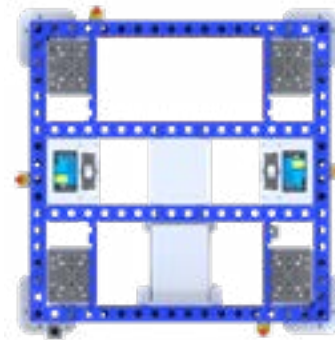
Min

910 × 840 mm
36 × 33 inch



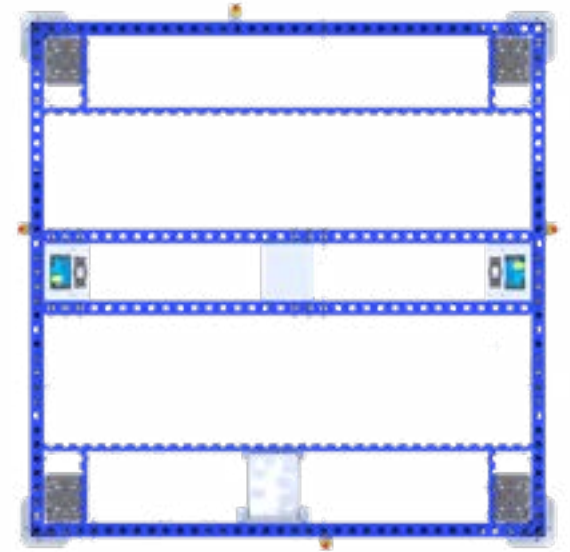
Example

1260 × 840 mm
50 × 33 inch



Example

1260 × 1260 mm
50 × 50 inch



Max

2520 × 2520 mm
99 × 99 inch

Any Size and Shape.



Q-100-5076
1260 × 1260 mm
50 × 50 inch



Q-100-3891
1260 × 1260 mm
50 × 50 inch



Q-100-3839
1260 × 840 mm
50 × 33 inch



Q-041-0028
1220 × 1220 mm
48 × 48 inch



Q-100-5959
1260 × 1050 mm
50 × 41 inch



Q-100-5531
910 × 840 mm
36 × 33 inch



Q-100-3686
1610 × 1260 mm
63 × 50 inch



Q-041-0027
1220 × 1220 mm
48 × 48 inch



Q-100-4476
1540 × 1540 mm
61 × 61 inch



Q-100-4311
1260 × 840 mm
50 × 33 inch



Q-100-4273
1260 × 840 mm
50 × 33 inch



Q-100-4122
2520 × 1470 mm
99 × 58 inch



SIGNIFY
PENNSYLVANIA, USA



DANA
MEXICO

CASE STUDY / SIEMENS

Siemens got started with automation.

6-9

Months
ROI

2

Days
Implementation

2

AGV
Designs



CHALLENGE

This particular Siemens manufactures several different products and recently received several new products to manufacture. These new products needed new processes and new methods of transportation. The previous transportation methods led to movements of the materials to different stations by operators via pallet jack, forklift, or manual pushcart. On top of this, Siemens wanted to keep gearbox technicians at their workstations, eliminating the task of transporting the materials between workstations.

SOLUTION

Siemens needed to opt for two different AGV designs along with a roller transfer station. One was a standard flat deck pallet AGV used for the movement of parts loaded via forklift and then automatically transported throughout the facility. The second AGV was designed with rollers on top, which used gravity to transition the pallets from the AGV to the roller transfer station. A shooter mechanism completed the transfer which mechanically unloaded the pallet from the AGV and transitioned the pallet automatically.

AGV[®] SYSTEM

 FLEXQUBE[™]



CONTACT US
sales@flexcube.com

www.flexcube.com