



Pedigo specializes in the manufacturing of carts designed to fit on Automatic Guided Vehicle Systems (AGV) that move all over the hospital on their own so that employees do not need to be present and push the carts to a specific destination. Pedigo will design a cart so that it can adapt to the specific standards and requirements of the AGV system selected by the hospital.

### AGV SYSTEMS FOR TRANSPORTATION OF CARTS INSIDE HOSPITALS



Savant Automation Automated Guided Vehicle picking up an AGV cart

## Hospital AGV Configurations

AGVs for hospital cart transportation utilize a 'Smart' AGV control system and unique 'virtual' path navigation technology. AGVs are used to move all types of hospital carts including food, linen, trash, supply, surgical kit type carts. System controls allow considerable flexibility to meet different department user needs. The AGVs are automatically assigned to heavy cart volume areas to minimize response time and optimize throughput. Unlike other hospital AGVs, entire AGV body is stainless steel which unlike painted steel will not stain, chip or corrode.



## Efficient Cart Transportation



## Transport Method

Hospital AGVs can be configured for either non-lifting or lifting cart transport.

Non-lifting style - the AGV is equipped with a powered cart capture pin. This pin raises into a cup on the underside of the cart locking the cart to the AGV for transport.



Lift style - the AGV utilizes a powered lift platform that elevates the cart off the floor for transport.



## Capabilities

Hospital AGV systems offer a wide range of functionality and capability.

- Elevator – interface with new or existing elevator control systems.
- Ramp – travel at controlled speeds up or down ramps with loaded or empty carts.
- RFID tracking – read RFID tags on carts and track cart location while being transported by AGVs.
- HMI call/dispatch – utilize touch screen AGV call/dispatch panels at cart pickup locations that allow operator to call AGVs and designate delivery destination for carts.
- Cart sensing for automatic AGV call – ability to sense when cart is in position at pickup location and dispatch AGV to respond.
- Interface with hospital IT systems – AGV control systems support a variety of networking protocols to exchange information with other systems.
- Graphic display tracking of AGV status (destination, battery condition, location, loaded/empty...).
- System and vehicle performance reporting.
- Dedicated or shared RF options.

A video of an AGV system can be seen in use in a Hospital: <http://www.agvsystems.com/video-tuggers/>

Examples of carts designed by Pedigo for AGV systems are displayed below:



Contact us for to give us the specific requirements of your AGV system so that we can provide you with a customized solution with our specially designed AGV carts.

Pedigo has equipped the following hospitals with AGV carts: [Cleveland Clinic](#), [Ohio State University Medical Center](#), [Greenville Memorial Hospital](#), [Cedars Sinai Medical Center](#), [LA County/USC Medical Center CA](#), [VA Hospital Phoenix AZ](#), [Tacoma General Hospital WA](#), [RUSH University Medical Center Chicago](#), [University Health System Hospital in TX](#).