

Rubber Tired Gantry Crane - GRT model

- A type gantry frame— stable design, capacity 10t~400t
- Electric & hydraulic drive design to increase crane's adaptability
- Can equip with one or two trolley,
- Auxiliary hook (5t~50t)for light material handling is available
- Fabricated by High-strength steel material Q355
- Full stepless speed control, more safe and stable
- Controlled by PLC with MAGICART customized program
- Wind sensor, Overload protection, Height limit & travel limit protection
- Powered by a diesel genset or electric cable access
- Night working light system

◆ Design of Crane Drive

Lifting

- Electric drive
- Stepless speed,
- inverter control

Trolley travel

- Electric drive
- Stepless speed,
- inverter control

Crane travel

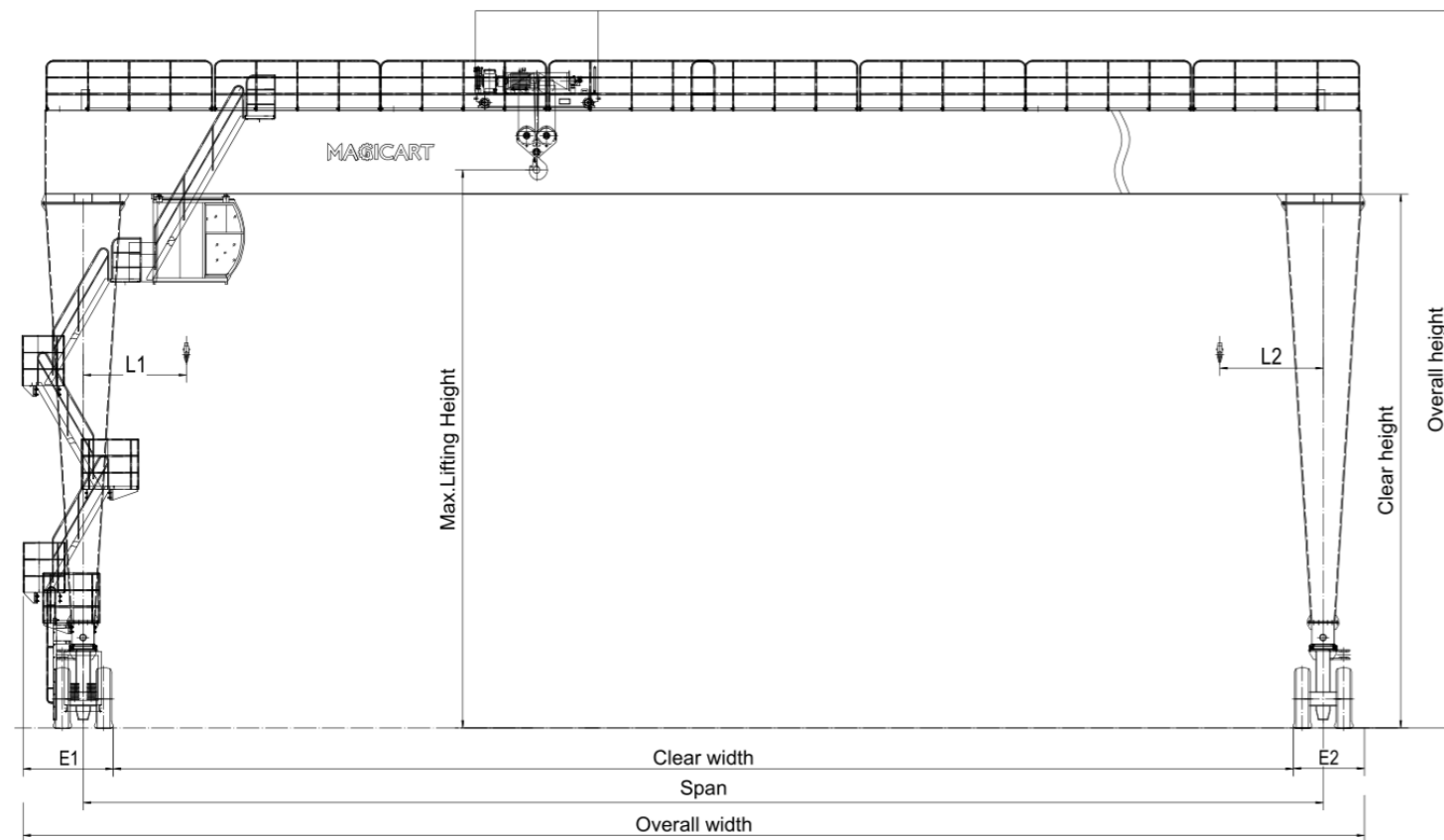
- Hydraulic drive
- Stepless speed,
- Hydraulic valve control

Steer system

- Hydraulic drive
- Stepless speed,
- Hydraulic valve control



Model GRT Dimension Checking



1) Necessary Info needed from client for proposal

- SWL / Load Capacity
- Crane quantity
- Clear width or Span
- Is the ground for crane travel Flat or with slope?
- Max. Lifting Height

2) More info needed from client if available

- Description, photo, size or drawing of material for lifting?
- Overall Width
- Outdoor or Indoor or Both?
- Ground material (concrete or asphalt or compacted soil?)
- Ground Slope ___% in ___meters
- Procedure of crane working
- Overall Height
- Working hours each day
- E1
- E2
- Power voltage on site

GRT model Model Selection



| Model | Capacity | Max Lifting Height | Span |
|---------|-------------------|--------------------|-------------------|
| GRT 10 | 10T | 3m ~ 9m | 3m ~ 35m |
| GRT 20 | 20T | 3m ~ 9m | 3m ~ 35m |
| GRT 30 | 30T | 3m ~ 12m | 3m ~ 35m |
| GRT 50 | 50T | 3m ~ 12m | 3m ~ 35m |
| GRT 70 | 70T | 3m ~ 12m | 3m ~ 35m |
| GRT 100 | 100T | 5m ~ 15m | 5m ~ 35m |
| GRT 120 | 120T | 5m ~ 15m | 5m ~ 35m |
| GRT 150 | 150T | 5m ~ 15m | 5m ~ 35m |
| GRT 200 | 200T | 3m ~ 15m | 5m ~ 35m |
| GRT 250 | 250T | 3m ~ 20m | 5m ~ 35m |
| GRT 300 | 300T | 5m ~ 20m | 5m ~ 35m |
| GRT 400 | 400T | 5m ~ 20m | 5m ~ 35m |
| | Customized design | Customized design | Customized design |

Note: the capacity and size can be made according to client's demand, pls share with us your preferred specification, thanks!