



### Features of GMC6227H Gantry Machining Center with T Ram

1. GMC6227H Gantry Machining Center with T Ram bed, worktable, columns, beam, sliding saddle, headstock of GMC6227H Gantry Machining Center with T ram adopts high-strength cast iron, formed from resin sand and ribs layout to provide good rigidity and stability.
2. The spindle system adopts rectangular sliding guideway and synchronous belt drive, equipped with hydraulic balance system, imported high speed spindle unit with large torque, high rotary speed, low noise, high cutting efficiency which meets the customers' requirements of high speed of boring and milling.
3. Imported precision ball screws are driven by servo feed motor with high performance on X/Y/Z axes, high transmission accuracy, accurate positioning and good stability; machining precision and service life are improved.
4. GMC6227H Gantry Machining Center with T Ram Bed guideway (X-axis) adopts imported heavy duty roller linear guideway, small friction force, strong carrying capacity, high sensitivity, low speed without crawling, small vibration during high-speed, high positioning precision, superior servo drive performance, strong damping capacity.
5. Beam guideway (Y-axis) adopts cast-iron guideway with steel inserted, enabling the ability of anti-bent and anti-torsion improved, the unload mechanism settled on the guideway can reduce sliding friction and improve positioning accuracy and repeatability.
6. Headstock guideway (Z-axis) utilizes cast-iron guideway with plastic pasted, large contact area, strong carrying capacity, good absorbency of vibration and stability of accuracy, ensures stable cutting.
7. Automatic chip conveyor is respectively put on both sides of the worktable; diverse safe-guards can be changed; equipped with half-closure shielding, Gantry Machining Center with T Ram machining safety could be improved.

8. SIEMENS 840D and FANUC control system can be selected. Various types of tool magazine can be equipped, various forms of milling heads can be added, and various spindles cooling system can be changed, installed with precision linear encoder and paper tape filter system.

### Technical parameters of GMC6227H Gantry Machining Center with T Ram

| Model                                           |              | Unit     | GMC6227H                          |
|-------------------------------------------------|--------------|----------|-----------------------------------|
| CNC system                                      |              |          | FAUNC 0i-MD                       |
| Worktable size                                  |              | mm       | 2000x6000 (79x236")               |
| Max load of worktable                           |              | kg       | 26000                             |
| Table travel (X axis)                           |              | mm       | 6200 (244")                       |
| Saddle travel (Y axis)                          |              | mm       | 2700+400 (ATC) (106"+16")         |
| Ram travel (Z axis)                             |              | mm       | 1250 (49")                        |
| Distance from spindle nose to worktable surface |              | mm       | 250~1500 (9.8-59")                |
| Distance between two columns                    |              | mm       | 2700 (106")                       |
| Tool shank                                      |              |          | BT50                              |
| Spindle speed range                             |              | r/min    | 40~4500                           |
| Max output torque                               |              | Nm       | 770/910                           |
| Main motor power                                |              | kW       | 22/26                             |
| Ram section                                     |              | mm       | 500x450 (20x18")                  |
| Rapid traverse of X/Y/Z axis                    |              | m/min    | 8 / 10 / 10                       |
| Max tool diameter/length/weight                 |              | mm/mm/kg | Φ125 / 350 / 20 (4.9" / 14" / 20) |
| Max tool diameter (neighbor empty)              |              | mm       | Φ225 (8.9")                       |
| ATC time(tool- tool)                            |              | s        | 2.91                              |
| Positioning (X/Y/Z)                             | no grating   | mm       | 0.045/0.03/0.03                   |
|                                                 | with grating | mm       | 0.025/0.018/0.02                  |
| Repositioning (X/Y/Z)                           | no grating   | mm       | 0.027/0.015/0.013                 |
|                                                 | with grating | mm       | 0.017/0.011/0.011                 |
| Total capacity of the electrical machine        |              | kVA      | 80                                |
| Net weight                                      |              | kg       | 65000                             |
| Floor space                                     |              | mm       | 16500×5500×6300                   |