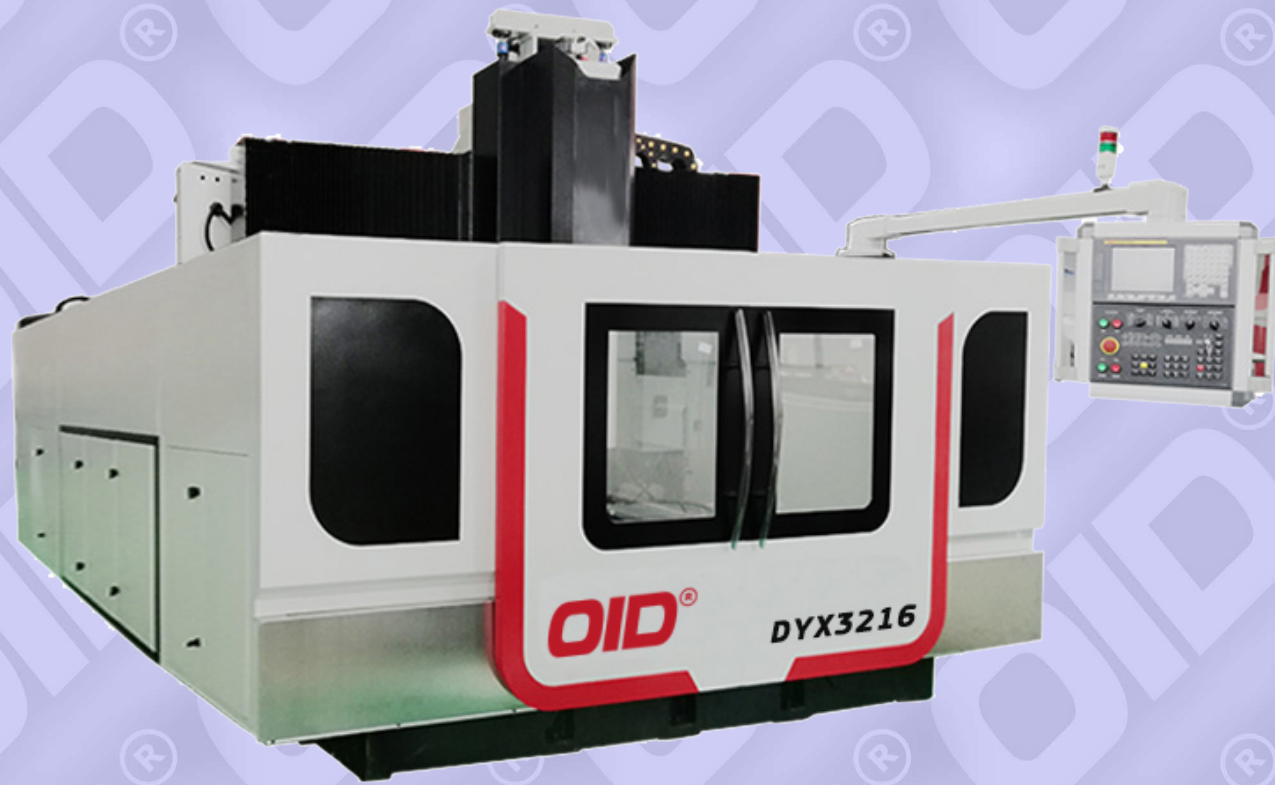




Technical bed features

1. DYX3216 type moving beam double drive CNC gantry milling machine, table fixed, double drive makes the gantry movement, bearing capacity, small footprint.
2. Moving beam movement force is relatively fixed, screw, Rail is not easy to damage, long Machine life.
3. The model vertical stroke between 300~400mm processing effect is the best condition.

Since the movable beam double-drive gantry machine table is fixed, can be designed thick and solid, and therefore have a very good bearing, generally bearing weight as long as the volume of the machine can be placed to allow. The table mobile machine, in the design must take into account the weight of the mobile, the thickness of the table is often only fixed table 1/2 to 1/3, structural strength is weak, without considering the motion characteristics of the premise, per square meter bearer is only about 1 ~ 1.5 t, the scope of application is significantly smaller.

Under the assumption that the cutting conditions are the same, the quality of the load is an important factor affecting the rail wear and accuracy retention.

Table mobile gantry machine in addition to the weight of the workpiece table itself weight is also very great, if the long-term processing of heavy workpieces, will inevitably lead to accelerated rail wear, a period of time accuracy will decline. The corresponding table fixed gantry machine, since the mass load is constant, will not change with the change of the workpiece, as long as the design to select the appropriate RAIL, Rail wear will be small and stable, the machine can be long maintain accuracy.

Table mobile gantry machine at no load can generally achieve its marked design speed, but with the increase in the weight of the workpiece, the moving speed of the inevitable decline, affecting efficiency, and table fixed gantry machine tool since the workpiece load and mobile independent, regardless of carrying multiple artifacts, can ensure the design speed, which makes sense on larger machines.

At the same time when the user is concerned about the fast-moving speed, often fall into a misunderstanding, this misunderstanding is to ignore the acceleration, in fact, the impact of fast-moving speed of processing efficiency is far less than the impact of acceleration, especially in some of the complex shape of the workpiece, sometimes several times to improve the processing efficiency

Since the mobile gantry table table load is variable, when the machine manufacturer to set a larger acceleration, once placed heavier workpiece, the machine will vibrate, shock and thus damage the transmission system; gantry mobile gantry although the workpiece is not involved in the movement, but the gantry frame center of gravity, high acceleration prone to excessive overturning force, causing damage to the under the reasonable design of the machine tool acceleration can be close to the vertical machining center, so that not only can improve the processing efficiency, but also reduce the surface roughness value.

Training

The supply side is responsible for the technical training of the demand side, training time and training personnel agreed, training place in the demand side, training content including machine structure, performance and function, numerical control system, machine operation, maintenance and so on.

CNC system

- 1. Japan Mitsubishi M80B System
- 2. Can be transmitted by Ethernet
- 3. Provide communication software

System standard functions: three-axis linkage, thin 8.4-inch display, linear interpolation, circular interpolation, helical interpolation, metric conversion, automatic acceleration and deceleration, spindle orientation, tool radius compensation, tool position compensation, coordinate setting, program Editing, background editing, status display, parameter setting display, etc. (See Mitsubishi Japan for CNC system and servo motor technical data)

- 1. The maximum tool weight 10KG
- 2. Working voltage: three-phase 380V/50Hz. The supplier provides the range of fluctuations allowed by the voltage.
- 3. Mechanical part: resin sand casting of machine tool body.
- 4. Lubrication system: electric setting and automatic lubrication.

Equipment model		DYX3216	
Workbench and T-slot			1600×3200mm slot width 22mm*7
Processing stroke (XYZ)			1600*3200*750mm
Gantry through width / height			2100/1300mm
Rapid feed rate (XYZ axis)			10*10*8m/s
Precision Ball Screw (Taiwan)		X axis	50 lead diameter 10
		Y axis	Diameter 80 lead 12
		Z axis	Diameter 40 lead 6
		Landscape	On 65 under 55
Precision Ball Guide (Taiwan Silver)		Portrait	65*2
		Z direction	45×4 (precision ball guide)
Spindle	Taper		BT50
	Rotating speed		50~6000 rpm
	Balance system		Pneumatic balance
Spindle end to table distance			350-1100mm
Motor Power	Spindle		15/18.5KW
	X axis		3.0KW
	Y axis		4.5*2KW
	Z axis (brake)		3.0KW
Precision	Triaxial positioning accuracy		±0.01mm/300mm
	Triaxial repeat positioning accuracy		±0.01mm/300mm
Machine weight			About 20 tons

Number	Name	Manufacturer, model
1	Spindle	Taiwan Pusen
2	Spindle motor	Japan's Mitsubishi / FANUC / Taiwan's new generation
3	Servo drive system	Japan Mitsubishi / FANUC servo drive motor / Japan Yaskawa Electric
4	Hand wheel	
5	X, Y, Z axis screw	Taiwan
6	X, Y, Z guide	Taiwan
7	Ball screw support bearing	X, Y, Z axis, all for screw bearing
8	Coupling	Professional collaboration factory
9	Screw lock nut	Professional collaboration factory
12	Nitrogen balance system	Professional collaboration factory
14	Spindle oil cooler	Professional collaboration factory
15	CNC system	Mitsubishi Japan
18	transformer	Professional collaboration factory
19	breaker	Siemens / Schneider
20	AC contactor	Siemens / Schneider

Sales service

- 1. Machine tool quality, specifications and performance in line with the provisions of the contract, in the correct installation, proper use and maintenance of the premise, since the acceptance of the machine began to calculate the warranty period.The warranty period for the timely free warranty.
- 2. In the warranty period, the inspection certificate for the user if the reason for loading and unloading during transport, storage time is too long to cause mechanical appearance or internal damage; improper operation, dismantling the man-made damage caused by their own modification, is not within the scope of the above free warranty, the user must pay all renovation, maintenance costs.
- 3. After exceeding the warranty period, the supplier continues to provide maintenance services for users, and charge the cost of parts and service fees based on the normal charges.
- 4. After acceptance, the demand side is not based on contract performance, the supplier has the right to stop after-sales service.
- 5. The buyer did not pay the full amount before, the machine system in accordance with the agreed payment time to set the password and restrict the use of the password in the payment date after ten days of validity. After the payment is paid, the password procedure is deleted.
- 6. Due to operational reasons for failure, demand can be notified by telephone, fax supplier, the supplier rushed to the scene to be resolved within 48 hours, in case of major failure, the supplier Engineer must arrive at the site to be resolved.
- 7. Transport: car transport, the cost borne by the supplier. After the arrival of the loading and unloading by the demand side, the cost of the demand side.
- 8. The warranty period: one year warranty, life-long service.

1	Japan's Mitsubishi system / / FANUC system / Taiwan's new generation system	set
2	Emergency Switch	set
3	Transformer	set
4	Automatic lubrication system	set
5	Spindle oil cooler	set
6	Machine protection	set
7	Electronic hand wheel	set
8	Work light, program end and warning light	set
9	Headstock balancing mechanism	set
10	Electric control cabinet (including electric box air conditioner)	set
11	Configure common toolboxes: common tools such as screwdrivers, wrenches, air guns, etc.	set
12	Pressure plate and T-bolt nut	set
13	BT50 powerful handle	set
14	Machine tool accuracy test record	set
15	Certificate of Compliance	set
16	Packing List	set
17	CNC system operation manual	set
18	CNC system programming manual	set

Number	Accessory name	Specifications and models	Quantity / machine
1	Shank	BT50 (including 7 collets)	1
2	Common tools	Screwdriver 2, set of hex wrench, set of wrenches	1 set
3	Air gun		1
4	Platen and screw		6 pairs
5	Machine mattress iron and anchor screws	By foot hole configuration	Set