

## Vertical Machining Center DY-850SL 3 Linear guides

# TECHNICAL PARAMETER



## DY-850SL TECHNICAL PARAMETER

ITEMS	UNIT	PARAMETER
<b>WORKTABLE</b>		
Table size	mm	550×1000
T slot(number-width-pitch)	mm	5-18×100
Max.worktable load	kg	600
<b>AXIS TRAVEL</b>		
X/Y/Z axis trave	mm	800/500/500
Distance from spindle nose to worktable surface	mm	160-660
Distance from spindle axis to Column surface	mm	600
<b>SPINDLE</b>		
Taper and specificationof main shaft		BT40-Φ150
Max.spindle speed	rpm	12000/15000
Spindle connection style		Direct-connection
Spindle power	KW	7.5
<b>TOOL MAGAZINE</b>		
ATC system		
Tool magazine capacity	pcs	24
Tool shank type		BT40
Max tool weight	kg	7
Max tool length	mm	300
Time of tool change (T-T)	s	1.5
Max tool diameter (w/o adjacent tools)	mm	Φ78/Φ155
<b>FEEDRATE</b>		
Max. displacement speed (X/Y/Z)	m/Min	48/48/48

## DY-850SL TECHNICAL PARAMETER

ITEMS	UNIT	PARAMETER
<b>ACCURACY</b>		
X/Y/Z axis positioning accuracy	mm	0.005
X/Y/Z axis repeatability accuracy	mm	0.005
<b>MACHINE SIZE</b>		
Machine size (LxWxH)	mm	1800x2370x2140
<b>PACKAGE SIZE</b>		
Package size	mm	1900x2450x2300
<b>MACHINE WEIGHT</b>		
Net weight / Gross weight	kg	2700 / 3000

## DY-850SL MACHINE CONFIGURATION

NO.	ITEM	BRAND
1	Control system	FANUC, Mitsubishi, SIEMENS, HEIDENHAIN SYNTEC, HNC all selectable.
2	Linear guide brand	HIWIN / PMI class P4
3	Ballscrews	HIWIN / PMI class C3
4	X/Y/Z ballscrews standard	4012
5	X/Y/Z Linear guide size	35 / 45 / 45
6	Spindle	AIBIG / DEJO
7	Tool magazine	POJU / DEJIE / SANJET
8	Bearing	FAG / NSK from Germany
9	Cooling pump	DUYANG
10	Lubrication system	(China) HERG / BAOTN

## DY-850SL MACHINE CONFIGURATION

ITEMS		UNIT	PARAMETER
11	Transformer	JINBAO	
12	Coupling	Chengzhi	
13	Metal plate	Jigong / Aipeier	
14	Spindle oil cooling	Rucol	
15	Machine body	Sand resin precision machine body	
16	Manual Pulse Generator	HZQC	
17	Instructions	English instructions	

### Remark:

1. If special configuration is required, please specify it in the order when place the order.
2. The company is conducting research and improvement work at any time, so it reserves the right to change the technical parameters of the optical machine at any time without prior notice.

## PRODUCT PERFORMANCE

DY-850SL Vertical machining center adopts advanced design concept and is developed by our engineers with rich experience for many years, which is suitable for China manufacturing and processing industry with excellent cost performance. And after million times of testina, the equipment has gained market recognition and customer favor.

### 1. Precision resin sand casting machine body

The casting is made of HT300 precision resin sand and cast with high quality cast iron, so that the machine tool can obtain high rigidity and long-term Stable precision. And after sufficient secondary processing (tempering, vibration aging) for the machine is not easy to deform in the perennial use of the machine, can ensure the Stability of the machine.

### 2. Highly integrated intelligent electric panel

It is developed and and uparaded on the basis of traditional electric cabinet. It has the advantages of simple wiring, strong dry tightness resistance, low failure rate, high reliabilitv and high operation safety factor.

## PRODUCT PERFORMANCE

### 3. Advanced control system

Used FANUC, Mitsubishi, SIEMENS, HEIDENHAIN, HNC, SYNTEC and other famous systems, they used modular structure control panel highly integrated, high reliability, simple and convenient operation

### 4. Famous spindle from Taiwan

The famous spindle imported from Taiwan, which has the advantages of high reliability, low noise, small vibration and high precision. It is suitable for high precision, high rigidity and high speed machining.

### 5. High-speed servo tool magazine

High-speed servo tool magazine realizes high-speed tool change, fast and stable, greatly reduces the non-machining period, and greatly increases the machining efficiency.

### 6. Linear guide and Ballscrew

Class C3 high-rigidity pre-tightening ball lead screw of famous brand in Taiwan is adopted, which can realize high-precision position control and ensure the stability of the machine tool. The linear guide rail adopts the grade P guide rail of Taiwan or Germany, which improves the axial running speed of the machine tool and ensures the positioning accuracy of the machine tool.

## AFTER-SALES SERVICE

### 1. Installation and commissioning

As usual our offer not include local installation and commissioning. But we can provide online guidance. After the pandemic, dispatching engineering from DUYANG is available.

### 2. Time of warranty

One year for the whole machine from the loading date. All spares can be dispatched by Fedex/DHL in the earliest time after confirming damage, except for human purpose failures.

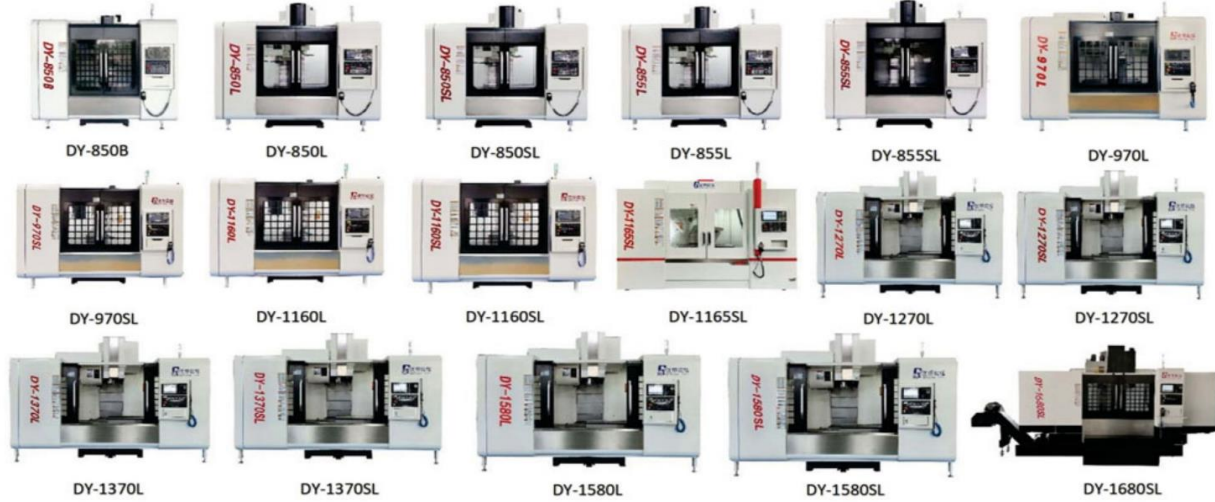
### 3. After service

Along with professional English operation manual and electric circuit diagram, DUYANG offers lifetime online after-sales service by English-speaking engineers.

Due to the different configuration, special order, numerical control system and continuous optimization of products, some technical parameters will be affected.

## MORE OF OUR PRODUCTS

### VERTICAL MACHINING CENTER



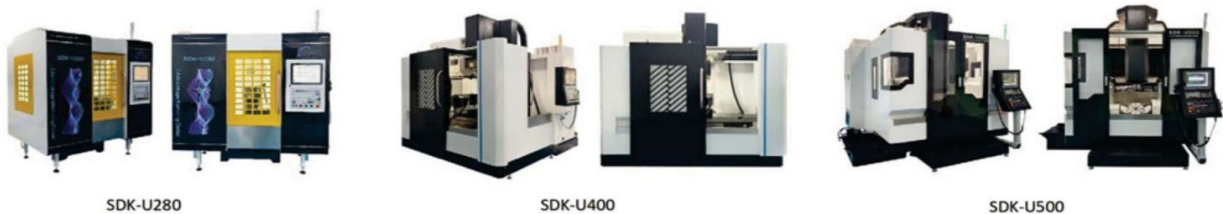
### HIGH SPEED DRILLING AND TAPPING MACHINE



### GANTRY MACHINING CENTER



### 5-AXIS MACHINING CENTER



**We always keep developing new products never stop**

# QUALITY CONTROL

