

## Features:

### 1.High speed

The standard ACM2 series servo motors of the L7 series have a maximum speed of up to 6500rpm (40/60/80 base). Compared with common motors, the speed is increased by 1500rpm, the action time under the same path is shorter, and the equipment capacity is increased.

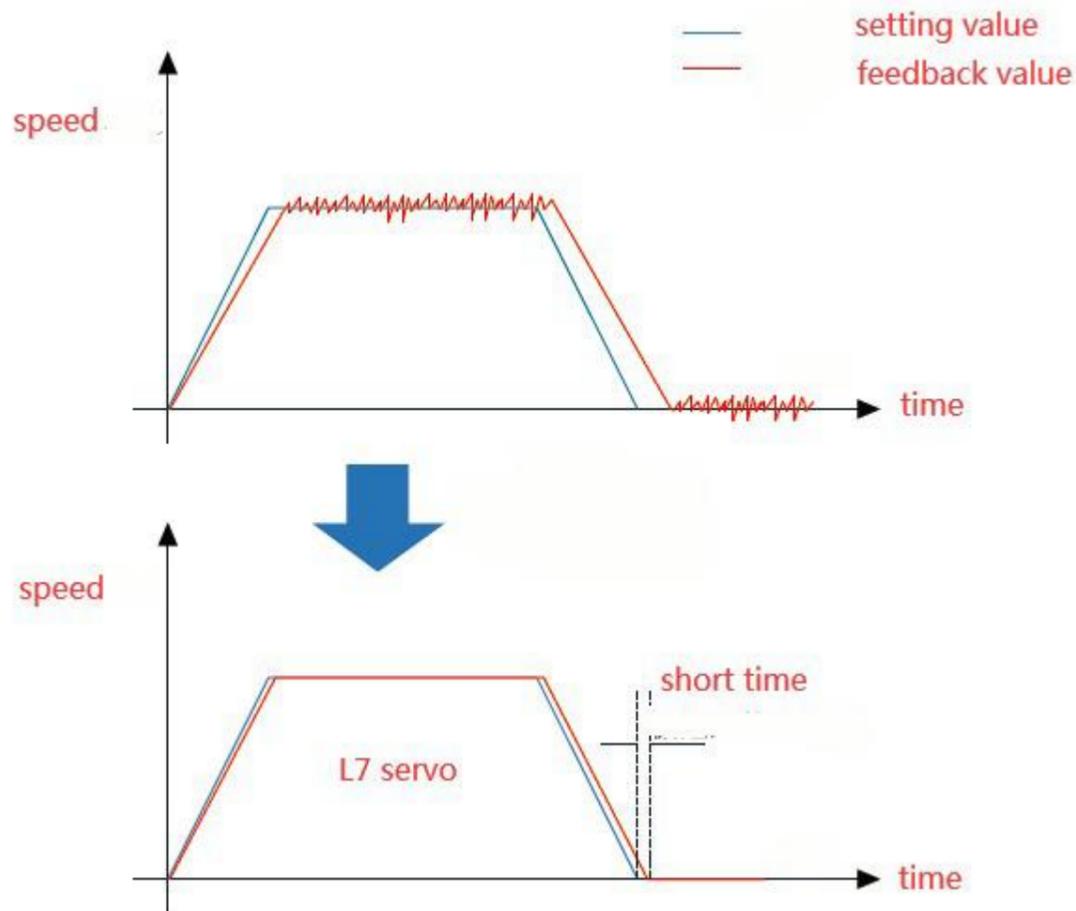
### 2 .High resolution encoder .

Standard 23bit encoder, encoder resolution reaches 8,388,608 pulses/rev.

Support 23bit serial incremental subdivision and 23bit serial multi-turn absolute value encoder, power off position memory, no need to return to zero operation, low-speed processing application is more stable, help to improve machine efficiency.

### 3. Normalized servo parameter debugging .

Using the normalized servo parameter debugging function, only one parameter is needed to realize the adjustment of the servo parameters, including the position loop/speed loop/current loop PID parameters, model tracking control, command smooth filtering, etc., to adapt to different load requirements, the maximum Limit the performance of mechanical equipment



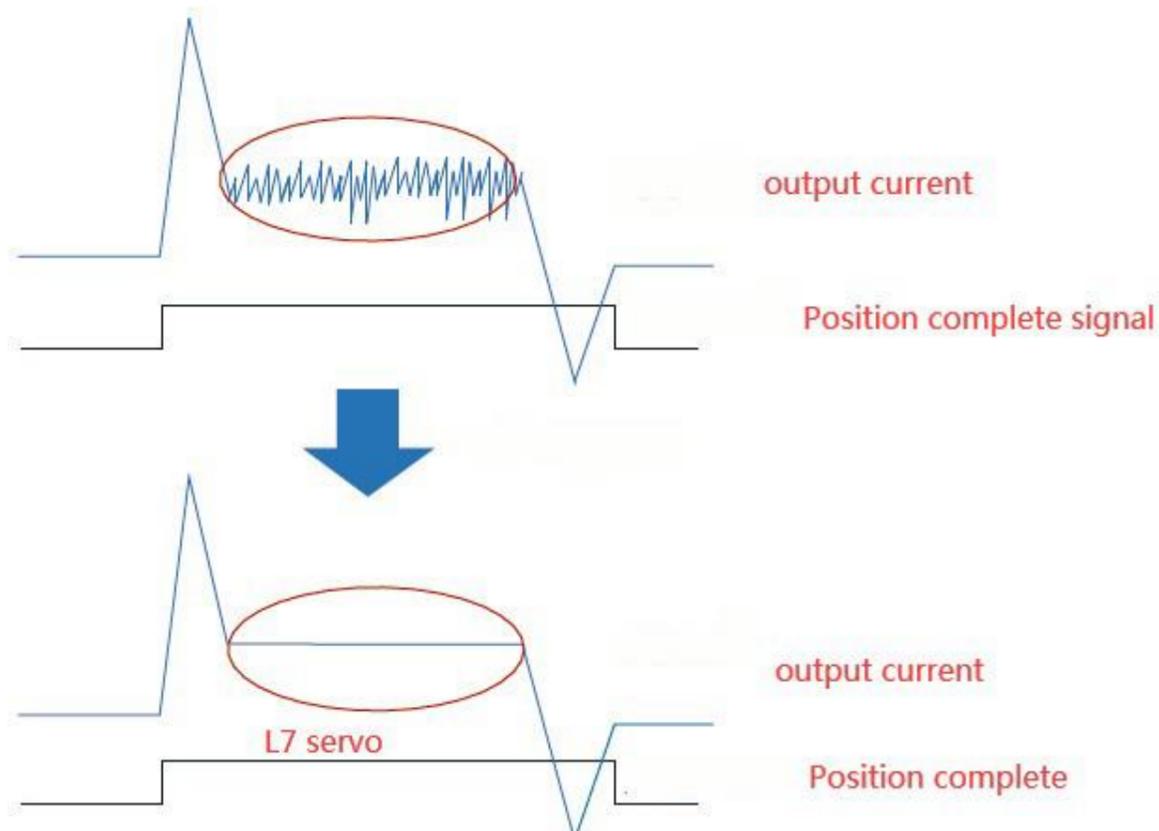
### 4 . Adaptive notch filter .

Provide 4 groups of Notch Filter

Can be set automatically or manually

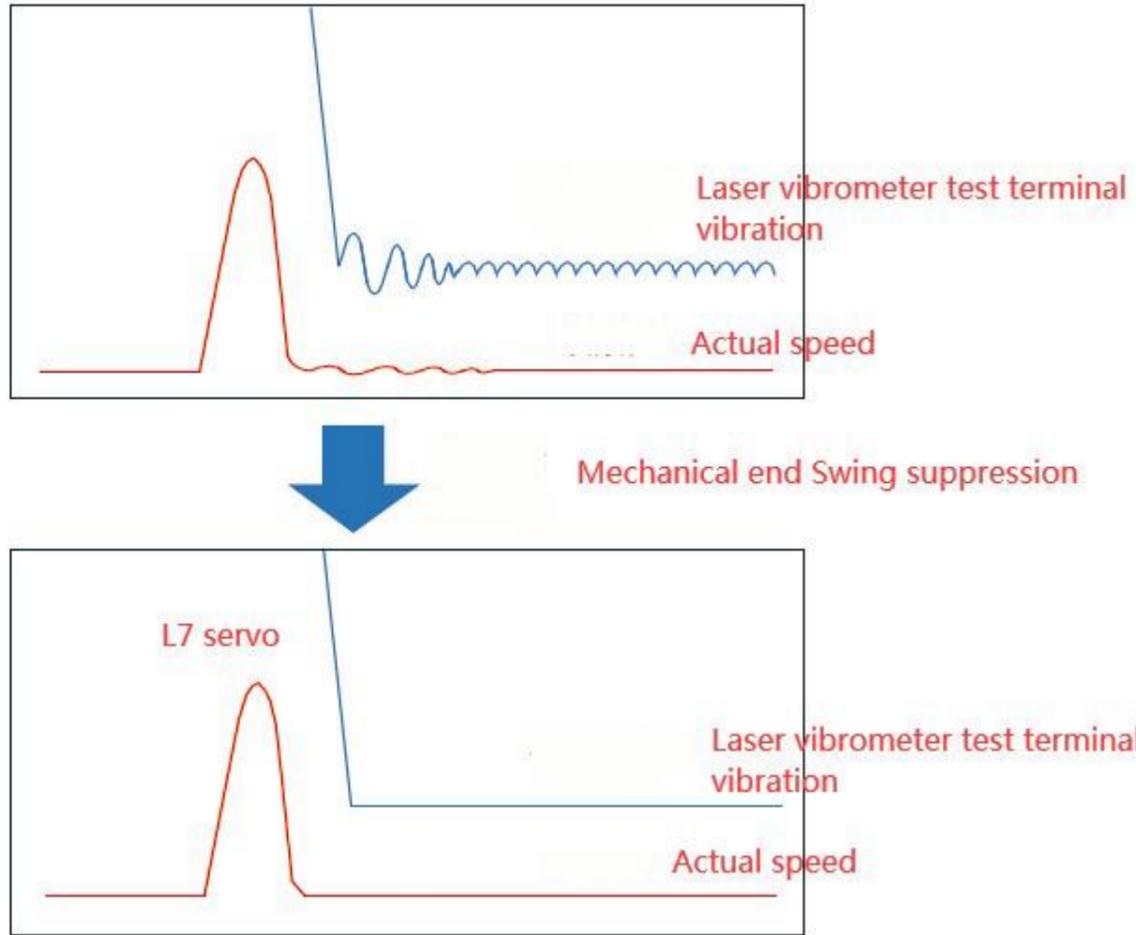
Filter width can be set flexibly

Simple setting can automatically eliminate resonance, save adjustment time, increase equipment assembly and testing efficiency



### 5. Swing array suppression at stop .

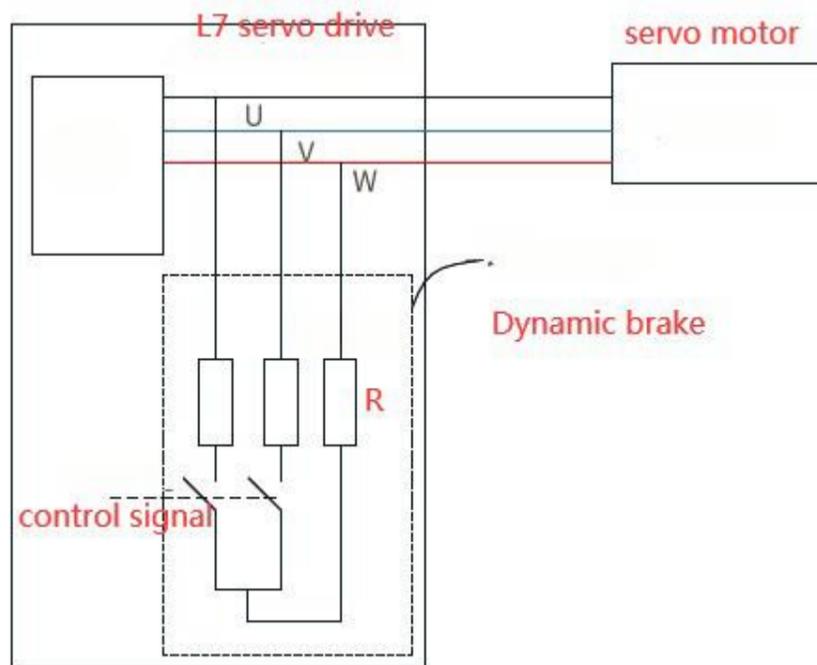
For flexible mechanical systems, it is easy to produce low-frequency vibrations below 200 Hz. This type of low-frequency vibration can be suppressed by pendulum array suppression to achieve high-beat operation of flexible systems.



### 7. Integrated dynamic braking function .

The L7 series integrates dynamic braking function, which can quickly stop the servo motor through energy consumption braking during fault, emergency stop, and power failure, which can avoid the danger of collision caused by sudden alarm when the motor is running at high speed and reduce damage to the machine.

Ensure the safety and reliability of the operation of mechanical equipment!



## INTRODUCTION TO THE

DRIVE TYPE	L7-750
THE RATED POWER OUTPUT	750W
RATED OUTPUT CURRENT (VERY DIFFERENT)	5.5
THE MAXIMUM OUTPUT CURRENT (VERY DIFFERENT)	15.5
THE MAIN CIRCUIT AND CONTROL CIRCUIT OF POWER SUPPLY	SINGLE-PHASE 220 VAC, - 15% ~ + 10%
COOLING WAY	SINCE THE COOLING
GEOMETRY W*H*L (mm)	50 * 175 * 156



control feature	
control mode	IGBT SVPWM sine wave control
feedback way	RS485 bus encoder
The normalized what parameter	PC debugging tools, the use of parameters such as rigidity, can quickly realize servo parameter adjustment
Notch filter	Inhibition of mechanical resonance
Array inhibition	Inhibit the end vibration
More than absolute value encoder	123 high-precision encoder position memory, do not need to return to zero
DI/DO setting	Free distribution of digital quantity input/output
alarm	Overvoltage, undervoltage, over current, overload, overheating, tachycardia, main power input phase, the abnormal state of regenerative braking, a stomach deviation is too large, the encoder feedback error block, brake rate is too large, schedule overruns, EEPROM error, etc
operation and display	Five buttons, LED five points
Debug software	By MS debugging software can adjust the current loop, all parameters of the position loop, speed loop, and change the input and output signal effectively and motor parameters, and can be parameter file form import and export, convenient drives and different electricity, machine or different load matching. Monitor under test run trapezoidal wave velocity and position error waveform.
Communication function	USB support: the skeleton Modbus protocol (based on USB2.0 specification) supports RS485: based on Modbus protocol
Braking way	Built-in braking resistor (external)
Apply the load inertia	Less than 30 times, maximum 40 times

## Parameters



### Features:

1. Rated power: 750-1000W
2. Rated torque: 2.4-3.5n.m
3. High performance, high reliability and high efficiency
4. Rated speed: 3000r/min, maximum speed: 5000r/min
5. Maximum overload capacity of motor is 3 times
6. High precision, adaptable bus encoder
7. Low speed stable, low cog torque

Type of Plastic Insert Motor	Rated power (W)	Rated torque (N.m)	Maximum torque (N.m)	rated current (Arms)	Rated Speed (r/min)	Maximum RPM (r/min)	rotor inertia (kgm) <sup>2</sup> IO.:	Back EMF (V/Krpm)	Encoder (bit)	Voltage voltage (V)
ACM2-08008H2F*-E23S-65	750	2.4	7.2	5.1	3000	6500	1.56	28.8	23	220