Efficiency

Innovation

Concentration

Cooperation



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# Linear Unit Instruction Manual



Honorary released by Limon Auto Tech Co., Ltd

### 1 Installation Environment

Demand Series	ITO、ITC、HTO、HTC、ITZ、KS、GSC YSO、YSC、YTO、YTC Series Product
Operating temperature range	0-40
Operating humidity range	35~90% RH
Surrounding environment	1. Places without direct sunlight 2. Places without dripping, cutting oil 3. Places without volatile components and corrosive gas 4. Places with little dust 5. Places with vibration or impact less than

Note: YSC series can be used in dust-free environment, other series shall be determined according to the working conditions.

ultraviolet ray radiation

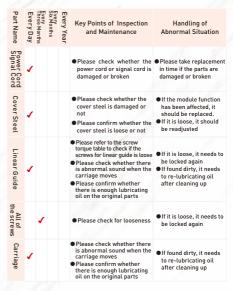
6. Places without electromagnetic wave,

### 2 Electric Control

- 2-1 When the servo motor is directly connected, because the inertia of the belt driven type module body is very large, it is very likely that it does not match the inertia of the motor rotor, which makes it difficult to adjust the inertia ratio. At this time, it is necessary to increase reduction ratio or replace the motor with larger inertia.
- 2-2 When setting driver parameters, the inertia ratio of belt driven type is slightly larger than that of ball screw driven type.

# 3 Maintenance

- \* Maintenance Period: 12 months after the product leaves the factory.
- ★ Regular Inspection (Pls refer the table on the next page for specific requirements)



## 4 Screw Torque Value Table

Screw Diameter	М3	M4	М5	М6	М8	M10
Tightening Torque Value	1.5N*M	3.7N*M	7.2N*M	11.8N*M	29.5N*M	59.0N*N