

# POLYTOP

Exporter from china

## **POLYTOP-T01/CS Digital Readout Controller:**



POLYTOP-T01/CS Digital Readout Controller is specially designed for conventional precision lathes. It integrates the function of 3-axis-digital-readout with the function of spindle speed control and specializes in constant-surface-speed cutting control.

Adopting the advanced DSP and CPLD technology, this digital readout controller is characterized as compact structure and high reliability. With LCD as human-machine-interface, it is user friendly and easy to operate. With intensive luminance LED, it visualizes the coordinate display clearly. Matched with different resolution optical scales, it can meet the needs of both high and general precision lathes.

This digital readout controller is most suitable for lathes that are equipped with frequency converters as spindle speed control. Various types can be provided to match with optical scales of different signal types (differential or single-end) and different power voltage types (DC5V or DC12V)

### **Main functions:**

- **X, Z0 and Z1 axis coordinate value display and setting**
- **2-gear-stage spindle speed setting and control**
- **2-gear-stage spindle constant-surface-speed setting and control**
- **Start point setting for constant-surface-speed control**
- **Absolute/increment/machine coordinate value conversion**
- **X axis diameter/radius coordinate value conversion**
- **Metric/Inch system conversion**
- **Sum up of Z0 and Z1 coordinate value**
- **Machine reference point search**
- **10 group tool offset**
- **Hold;± axis coordinate value**
- **Spindle gear stage selecting**
- **Coordinate value store**
- **System parameter setting**
- **Chinese/English conversion**

**Ordering Code:**

**POLYTOP-T01/CS(12V):**

**For optical scales of DC12V square-wave single-end signals.**

**POLYTOP-T01/CS(5V):**

**For optical scales of DC5V square-wave single-end signals.**

**POLYTOP-T01/CS(5VD):**

**For optical scales of DC5V square-wave differential signals.**