

# DT02无线对刀仪

# 说明书

Height detection equipment manual



Model : DT02

The Manual For Fully functional Wireless Handle for Engraving machine

使用本产品之前，请先阅读本手册，并妥善保存手册作日后参考。

对刀仪说明书  
Height detection equipment manual

型号(Model) : DT02

## 一.应用 Application

低功耗无线对刀仪,实用于各种 CNC 加工中心  
low-power wireless Height detection equipment , applications operating  
all kinds of machine cnc center.

对刀仪工作原理  
Height detection equipment Working principle

当接收器接收到对刀仪发射器的触发信号，接收器，立即将内部的触发开关导通

When the trigger is received,  
The receiver immediately  
turned the internal relay

当刀具触发对刀仪发射器触头，对刀仪发射器将立即发射触发信号给对刀仪接收器。

When the trigger transmitter  
,Now the transmitter will  
trigger signal radio  
transmission to the receiver

下压触头  
Under pressure  
trigger



对刀仪接收器  
Receiver

无线连接20米  
Wireless connections  
20 m



对刀仪触发端  
Trigger Transmitter

## 二. 操作使用步骤说明

### Operation Instruction

#### 1. 将接收器连接到系统, 如下说明: (接收器)

#### Connect the receiver to the cnc system



信号连接：  
连接到控制卡  
Connected to the control card

#### 信号说明： Signal Description

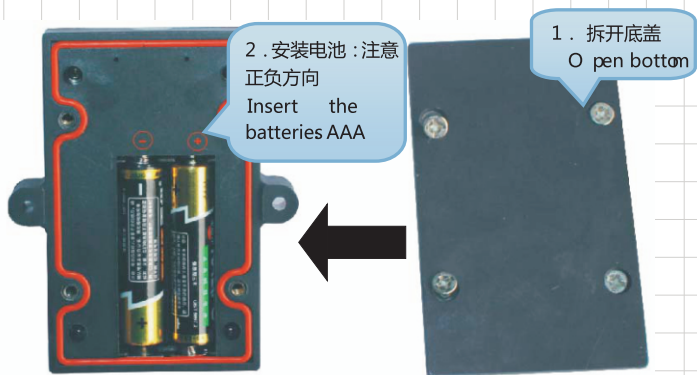
- **5-24V**: 给对刀仪接收器的供电电压。  
对刀仪接收器, 需要外部给它提供电源, 才能工作。工作电压范围 5V-24V; 工作电流小于100mA  
Power to the receiver; Voltage: 5V-24V, current less than 100 mA
- **0V**: 给接收器供电的电源0V。  
Power to the receiver; 0V
- **Prob**: 接收器内部继电器输出。当接收器收到对刀仪发射器的触发信号后这个继电器闭合, Prob和COM导通, 用作对刀触发信号  
When the trigger is received, The receiver immediately turned the internal relay; Then Probe and COM pin Unicom
- **COM**: 接收器内部继电器输出。当接收器收到对刀仪发射器的触发信号后这个继电器闭合, Prob和COM导通, 用作对刀触发信号  
When the trigger is received, The receiver immediately turned the internal relay; Then Probe and COM pin Unicom

## 2. 给对刀器安装上节 AAA 电池。

拆开对刀器底盖 → 安装上2节 AAA 电池 (注意电池正负方向) → 装上对刀器底盖

Install the two AAA batteries to the terminal device.

Open the the battery door → install the 2 AAA.(Attention to The battery positive and negative direction) → close the battery door.



3. 轻压下对刀仪，对刀指示灯亮；同时无线连接指示灯亮；对刀仪将触发信号无线传递给接收器，接收器将内部继电器处于闭合状态

Gently press down the transmitter, Probe lights; If the receiver power supply is normal, RF light immediately lights

1. 轻压下对刀仪  
Gently press transmitter

2.

接收器收到触发信号  
RF灯亮  
The receiver receives  
a trigger signal, RF lights

2. 对刀触发指示灯亮  
Trigger indicator light

Prob RF L-POWER

Y Mill

Model: DT02  
X-TOOL TOOLS SETTING

电池欠压灯亮，需要更换电池  
L-POWER LED lights, the battery  
needs to be replaced

### 三. 电气参数

#### Electrical specifications

##### 3.1 : 接收器 (The receiver)

- . 工作电压 : 支持宽电压输入 : 直流 : 5V 到 24V  
Work voltage:5v~24 DC
- . 工作电流 : 平均电流小于 : 100mA  
Current consumption: type 20mA
- . 无线使用距离 : 20 米  
Wireless distance:20 meter
- . 内部继电器输出 : 支持 250V/50mA 负载;常开型;对刀触发,继电器闭合  
The relay normal open contacts output: support maximum 250V/50mA load.

##### 3.2 : 对刀器 ( Trigger Transmitter )

- . 工作电压 : 2节 AAA 电池, 直流 2.4V 到 3.6V  
Work voltage:2 AAA batteries,2.4V~3.6V DC
- . 工作电流 : 平均电流小于 20uA ; 2节 AAA 电池能正常使用3个月  
Current consumption: type 20uA.To work continuously more than 3 months
- . 无线使用距离 : 20 米  
Wireless distance:20 meter
- . 对刀重复精确度 : 0.01 毫米  
Probe precision:0.01mm

**低压警告 : 当对刀器电池电压低于 2.4V , 提示更换电池。**

Low power warning:please exchange the batteries when low power led light

#### 四. 常见故障说明

##### Trouble shooting

4. 1: 按下对刀器, 对刀指示灯亮; 无线指示灯不亮

原因: 检查接收器电源是否正常;

Press the Trigger Transmitter ,the probe led light and RF led out.  
Check the receiver power.

4. 2: 按下对刀器, 对刀指示灯不亮, 无线指示灯也不亮, 低压指示灯也不亮

原因: 检查对刀器电池是否安装上; 检查电池正负是否安装正确; 检查电池是否有电。

Press the Trigger Transmitter,the probe led out and RF led out.  
low power led out. Check the Trigger Transmitter power.the  
direction of batteries .ultra low power → batteries.

4. 3: 按下对刀器; 对刀指示灯不亮, 无线指示灯也不亮, 低压指示灯亮

原因: 更换对刀器电池

Press the Trigger Transmitter,the probe led out and RF led out.  
low power led light. Exchange the batteries of the device



如有印刷或翻译错误，望用户谅解。产品设计和规格如有变化，恕不另行通知。  
此使用手册的出版日期为2015年2月。关于此日期后上市的产品驱动程序的变化，  
请登录公司网站查看并更新，或与我们售后联系。