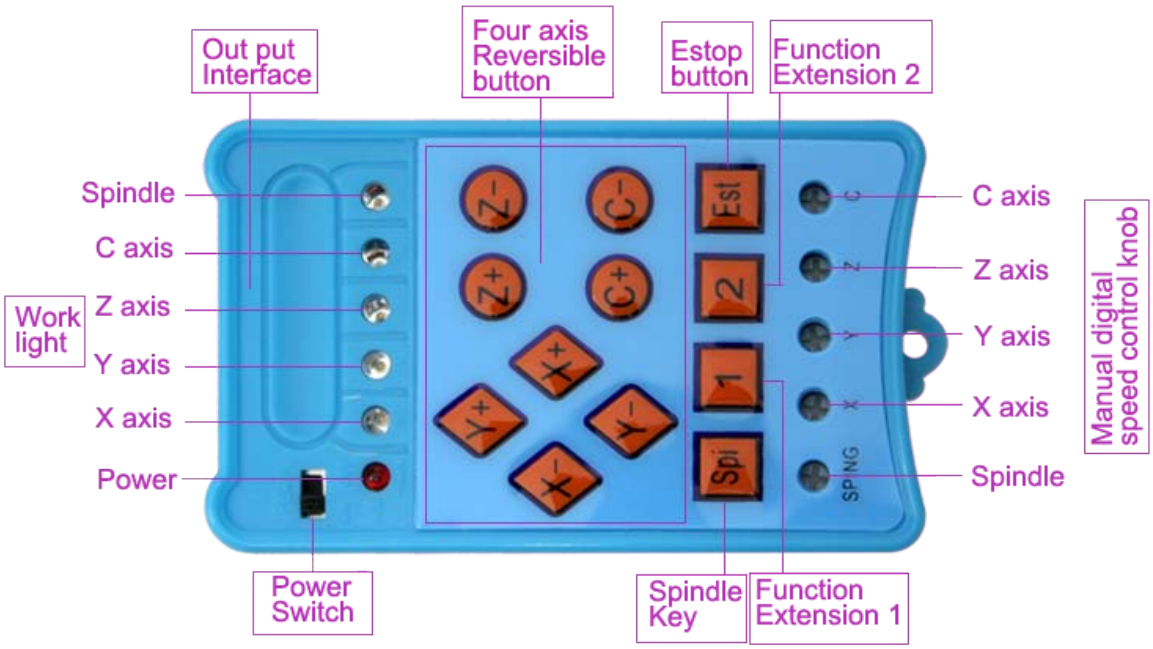
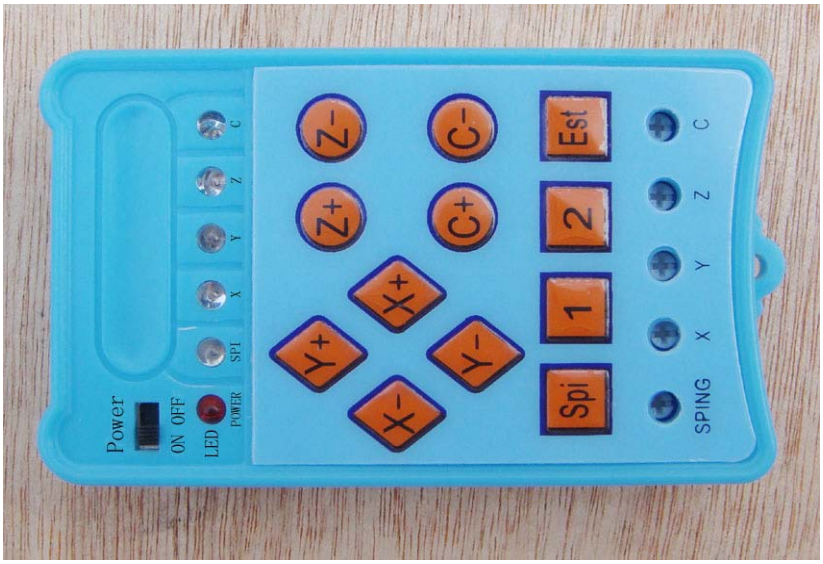
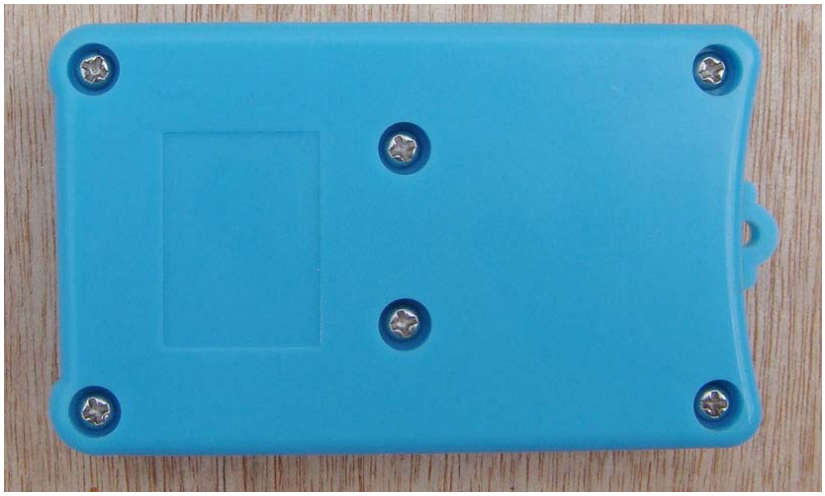
Hand Shank User's Manual







一》15P connector at both ends of the corresponding Definitions

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/White	Palm/White	Red/White

二》Handle the output interface definition

1	2	3	4	5	6	7	8	9	10	11	12	13	14
5V/VDD	GND	Estop	Empower1	Empower2	Spindle	X/Dir	X/Step	Y/Dir	Y/Step	Z/Dir	Z/Step	C/Dir	C/Step

二》HY-TB3DV-M axis drive board manual interface definition

Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/ White	Palm/ White	Red/ White
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
X/Step	X/ Empower	Spindle	X/Dir	Y/Em power	Z/Dir	Z/Step	Z/Em power	5V/VDD	GND	Estop	Y/Step	Y/Dir	Z/Limit	Y/Limit

三》HY-TB4DV-M four-axis drive board manual interface definition

Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/ White	Palm/ White	Red/ White
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
Z/ CEmpower	C/Step	Z/Step	X/Dir	X/Em power	Y/Em power	Y/Dir	Z/ Dir	5V/VDD	GND	Estop	X/Step	Y/Step	Spindle	C/Dir

四》HY-TB5DV-M axis drive board manual interface definition

Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/ White	Palm/ White	Red/ White
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
Chief Empower	C/Step	Z/Step	X/Step	X/Dir	Y/Dir	Z/Dir	C/Dir	5V/VDD	GND	Estop	Y/Step	D/Step	Spindle	D/Dir

TA4 handle axis defined

Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/ White	Palm/ White	Red/ White
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
Spindle	A/Dir	B/Dir	B/ Em power	C/Step	D/Dir	C/Dir	A/ Em power	5V/ VDD	GND	GND	D/Step	B/Step	C/allow	A/Step

Interface board handles the definition of

Black	Palm	Red	Orange	Yellow	Green	Blue	Purple	Gray	White	Powder	Light green	Black/ White	Palm/ White	Red/ White
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
C/Dir	C/ Step	X/ Step	X/Dir	Y/Dir	Z/Dir	Spindle	Expand	5V/VDD	GND	Estop	Y/Step	Z/Step	E1	E2

Instructions

1: The first drive with a corresponding docking connector board good driver board

2: turn on the power switch, power indicator light

3: Click the corresponding axis manual control buttons, the corresponding stepper motor shaft rotation axis while the corresponding indicator light, release the button to stop stepping motor

4: Manually adjust the speed dial number is about 300 degrees rotation within the (limited spaces on both sides of the fixed position), clockwise rotation acceleration, deceleration counterclockwise rotation，