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Five person egg twisting machine

instruction manual

**Please read the instruction manual carefully before using this
product**

Please keep the instruction manual properly

catalogue

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Safety precautions

Attention

Before operating this machine, please ensure that you have read and understood the contents of this manual.

Attention

**Please confirm that your method of operating this machine is correct.
Please read the following precautions carefully before using this product**

Installation precautions

- This machine is suitable for indoor use and not suitable for outdoor use.
- After the machine is installed properly, it should be placed smoothly on the ground.
- Before moving the machine, the power must be turned off and the power cord must be unplugged.
- The machine must be placed on a flat surface and should not be placed in smooth, unstable, or severely vibrating areas.
- Do not place the machine near high-temperature or spark prone equipment.
- No debris should be placed on the machine, and the power cord should not be pressed down by heavy objects.
- Do not expose the electrical components inside the machine to the outside.
- The force of the overhead crane should be adjusted as required, otherwise it may cause abnormal gift delivery or damage to the drive board.
- The sensitivity of the gift detection board should be adjusted to the appropriate position, and the gift box should not be filled with debris. If necessary, the gift detection board should be dusted.

Operation precautions

- Please confirm if the power plug and power cord are intact before connecting the power supply, and check if the voltage is suitable for the requirements of the machine.
- The power supply voltage must be used according to the voltage requirements on the back cover of the machine.
- Be sure to disconnect the power supply during maintenance and repair.
- Non professionals are not allowed to disassemble this machine at will.
- Please choose appropriate accessories when replacing components.
- Do not touch the power cord with wet hands. When unplugging the connection cord, grip the hard part of the plug tightly and do not directly pull out the wire. Otherwise, it may damage or expose the wire and insulation, increasing the chance of fire or electric shock.

1、 Introduction

The five person egg twisting machine is a newly developed indoor gift machine by our company. This machine has a novel and unique design, with fresh and elegant colors. We believe its appearance will bring you new surprises!

Packaging and transportation

The machine should be placed steadily during packaging or transportation. When using a shovel to move or transport the machine, it should be prevented from hitting the machine or being pressed by heavy objects to avoid causing damage to the machine.

Packaging Details

One egg twisting machine

Random attachments

Please check and confirm whether the following attachments are complete when receiving the goods:

Serial number	Name	Quantit	Remarks
1	an instruction manual	1	
2	key	4	2*Nf18 2*Nf16
3	power cord	1	

2、 Basic Information

Machine model: LP.WWNDJ

Working environment: Temperature range: 5 °C ~ 40 °C, low humidity, low radiation, low vibration

Size: 1000 * 520 * 1969.22mm³

Weight: 158kg

Voltage: For detailed information on the power supply voltage, please refer to the markings on the back panel of the machine

Carrying weight of gift: 0-2.5kg

Allowable gift specifications: ball shaped twisted egg with a radius of 50mm, ball shaped twisted egg with a radius of 25mm

Maximum power: 250W

Number of players: 1-5

3、 Gameplay Description

1. Coin insertion, the total number of coins will be displayed on the digital meter at "TOTAL AOUNT".

2. Select your favorite toy, press the button under its toy box, and the number of tokens required to dispense an egg from the toy box will be displayed on the digital board near "PLAY".

3. Twisted eggs fall into the gift box, open the gift slot, and remove the twisted eggs.

Token counting table

After investing tokens, the code table counts

Gift counter digital meter

After the machine produces twisted eggs, the timer counts.

4. Operation setting instructions

1. Operating status description

turn on electricity

Check if the power plug and power cord are intact, and if the voltage is suitable for the requirements of the machine. After confirming that there are no errors, turn on the power.

Game status

During the game, the LCD displays the remaining time of the game.

position in readiness

The LCD displays the number of coins and plays standby music at the same time. Press and hold the "MODE" key on the keypad for 2 seconds to enter the testing mode, and inserting coins can put the machine into the game mode.

Test status

In the testing state, system information can be displayed for parameter setting and gift position calibration, testing whether the machine's input and output are working properly, and whether the music is normal. When in standby mode, press the "MODE" button for 2 seconds to enter test mode. In test mode, press the "MODE" button again for 2 seconds to return to standby mode.

error status

Error state: When the whole machine is working, if the system encounters an error, it will enter an error state and sound an alarm (the alarm sound can be disabled or played by setting parameters). The machine will display relevant error information, and the cause of the error can be found based on the error information; After resolving the error, simply power on and restart the machine.

Present gift status

Press the button to dispense the scrambled eggs from the scrambled egg box, play scrambled egg music, count the gift counter with a digital meter, and the entire machine will flash.

2. Parameter setting instructions

- In standby mode, long press the "MODE" button on the keypad for more than 3 seconds to enter the testing mode, and then long press the "MODE" button for more than 3 seconds to return to standby mode.
- Press the "ENTER" button on the keypad to display the current volume, press the "VOL+" button to increase the volume, and press the "VOL -" button to decrease the volume. The fourth line of the screen displays the current volume value, and the higher the value, the louder the sound. Note: When the sound is set too high, it may be distorted due to the power limitation of the amplifier.
- In the test mode, press "ENTER" to enter the next level menu, and press "EXIT" to return to the previous level menu.
- When setting parameters, press "UP" to increase the option value, and press "DOWN" to decrease the option value.
- In the menu option "System Information", select the "Clear System Parameters"

option and choose "Confirm", then press "ENTER" to clear the system parameters. (Note: Only clearing parameters such as coin insertion and prize payout, the parameters set by the system remain unchanged)

- Select the "Confirm" option in the menu option "Restore factory settings", and then press "ENTER" to restore the system parameters to factory settings.

3. Menu Options Description

1) Language

This option is used for switching between Chinese and English text on LCD display

2) System Information (Display System Information)

Under the current menu option, press the "ENTER" button to enter the next level menu, and the screen will display as follows

- Machine Number: Display the serial number of the current machine
- Program version: Display the version number of the current program
- Generation Date: Display the generation date of the current program
- Statistical information:
 - ◆ A. Total number of coins deposited
 - ◆ B. # 1 Total number of twisted eggs
 - ◆ C. # 2 Total number of twisted eggs
 - ◆ D. # 3 Total number of twisted eggs
 - ◆ E. # 4 Total number of twisted eggs
 - ◆ F. # 5 Total number of twisted eggs
 - ◆ G. # 1 Total number of coins deposited
 - ◆ H. # 2 Total number of coins deposited
 - ◆ I. # 3 Total number of coins deposited
 - ◆ J. # 4 Total number of coins deposited
 - ◆ K. # 5 Total number of coins deposited

Note: The above content cannot be cleared using the "CLEAR" button, only the (Factory Reset) parameter in the main menu item can be used to clear it.

- Clear current period data: This option is used to clear all option data from (current period of deposit) to (number of games in Zone C) in the above statistical information.

3) Parameter settings (setting system parameter values)

Under the current menu option, press the "ENTER" button to enter the next level menu, and the screen will display as follows:

1. # 1 Twisted Egg Price (0-40)
2. # 2 Twisted Egg Price (0-40)
3. # 3 Twisted Egg Price (0-40)
4. # 4 Twisted Egg Price (0-40)
5. # 5 Twisted Egg Price (0-40)
6. Standby music interval/min (0-10)
7. Alarm sound time/s (0-600)
8. LCD contrast ratio (32-63)

Note: Select any of the above menu items, press the "ENTER" button to enter the next level menu, and then use the "UP" or "DOWN" button to change the value of the menu item.

4) I/O testing (input, output, and voice testing)

1. Input test (displaying the status of all input ports, with black blocks indicating validity and blank spaces indicating invalidity)
2. Output test (displays the status of all output ports, black blocks indicate valid, blank indicates invalid)
3. Voice Test (Select (Display on the first line of the screen (Voice Test), display on the second line (Xth segment), indicating the current Xth segment of music being tested.)

5) Aging test (machine aging test)

Under the current menu option, press the "ENTER" button to enter. The first line of the screen will display (Burn In:), and the second line will display XX hours, XX minutes, and XX seconds (this time is the accumulated aging test time of the machine, which can only be reset using the (Factory Reset) menu item). During the aging test, the chassis will automatically test all the twisting machine levers. This function is mainly used for factory testing machines.

Note: Do not conduct aging tests on the twisted egg chassis with twisted eggs. Failure to remove the twisted eggs in a timely manner may result in the rotating rod being stuck by the twisted eggs.

6) Restore factory settings (after confirmation, restore the system parameters to factory settings)

Under the current menu option, press the "ENTER" button to enter the next level menu, which only has two options (confirm/cancel). Use the "UP" or "DOWN" button to select. If you choose to confirm, pressing the "EXIT" button to exit will automatically restore the system to the default factory settings. Please use with caution.

7) Clear system parameters

5、Appendix

1. Motherboard wiring table

Motherboard: PCB-20207 Mainboard

Program version: Ver1.01 Update date: June 19, 2024

Plug Number	Pin number	Lead wire colour	Function Description	I/O port Number	I/O is in the workstation Usage Description
J2	PIN 1	0.3- Brown (Brown)	Speaker+(speaker+);	-----	Speaker+
	PIN 2	0.3- White	Speaker - (Speaker -);	-----	Speaker-
	PIN 3	0.3- Yellow	+12V output (+12V power input);	-----	+12V Switching Power Supply
	PIN 4	0.3- Yellow	+12V output (+12V power input);	-----	+12V Switching Power Supply
	PIN 5	0.3- Yellow	+12V output (+12V power input);	-----	
	PIN 6	0.3- Yellow	+12V output (+12V power input);	-----	
	PIN 7			-----	
	PIN 8	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 9			-----	
	PIN 10	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 11	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 12	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 13	0.3- Yellow	+12V Output (+12V power output);		
	PIN 14	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 15	0.3- Yellow	+12V Output (+12V power output);		
	PIN 16	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 17	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 18	0.3- Yellow	+12V Output (+12V power output);	-----	
	PIN 19	0.3- Green	Serial Output CLK (Serial Drive Clock Output)	-----	Digital tube output (clock)
J2	PIN 20	0.3- Brawn (brown)	Serial Output DAT (Serial Drive Data Output)	-----	Digital tube output (data) The wiring sequence is as follows: Coin operated digital tube- 2. Twisted Egg # 1 (top left) digital tube 3. Twisted Egg # 2 (top right) digital tube 4. Twist Egg # 3 (bottom right) digital tube 5. Twisted Egg # 4 (Lower Middle) Digital Tube 6. Twist Egg # 5 (bottom left) digital tube
	PIN 21	0.3- White	Serial Output LATCH	-----	Digital tube output (latch)
	PIN 22	0.3-Black (black)	GND (power ground);	-----	GND switch power supply
	PIN 23	0.3-Black (black)	GND (power ground);	-----	GND switch power supply
	PIN 24	0.3-Black (black)	GND (power ground);	-----	
	PIN 25	0.3-Black (black)	GND (power ground);	-----	

	PIN 26	0.3-Black (black)	GND (power ground);	-----	
	PIN 27	0.3- Brown (Brown)	Output (Drive Output)	OUT0	Coin operated code table
	PIN 28	0.3- Pink	Output (Drive Output)	OUT1	Twisted Egg Code Table
	PIN 29	0.3- Orange	Output (Drive Output)	OUT2	
	PIN 30	0.3- SkyBlue (light blue)	Output (Drive Output)	OUT3	Twisted Egg # 1 Button Light (Top Left)
	PIN 31	0.3- Green	Output (Drive Output)	OUT4	Twisted Egg # 2 Button Light (Top Right)
	PIN 32	0.3- Blue	Output (Drive Output)	OUT5	Twisted Egg # 3 Button Light (bottom right)
	PIN 33	0.3- Purple	Output (Drive Output)	OUT6	Twisted Egg # 4 Button Light (Middle Lower)
	PIN 34	0.3- Gray	Output (Drive Output)	OUT7	Twisted Egg # 5 Button Light (Bottom Left)
	PIN 35	0.3- Brown (Brown)	Output (Drive Output)	OUT8	Twisted Egg # 1 Motor (Top Left)
	PIN 36	0.3- Pink	Output (Drive Output)	OUT9	Twisted Egg # 2 Motor (Top Right)
	PIN 37	0.3- Orange	Output (Drive Output)	OUT10	Twisted Egg # 3 Motor (bottom right)
	PIN 38	0.3- SkyBlue (light blue)	Output (Drive Output)	OUT11	Twisted Egg # 4 Motor (Middle Lower)
	PIN 39	0.3- Green	Output (Drive Output)	OUT12	Twisted Egg # 5 Motor (bottom left)
	PIN 40	0.3- Blue	Output (Drive Output)	OUT13	
	PIN 41	0.3- Purple	Output (Drive Output)	OUT14	
	PIN 42	0.3- Gray	Output (Drive Output)	OUT15	
	PIN 43				
	PIN 44				
	PIN 45	0.3- Orange	STXD0 serial port transmitter	-----	
	PIN 46	0.3- SkyBlue (light blue)	SRXD0 serial port receiver	-----	
	PIN 47	0.3- Pink	Output (Drive Output)		Light box white light
	PIN 48	0.3- Green	Output (Drive Output)		
	PIN 49	0.3- Blue	Output (Drive Output)		
	PIN 50				
J3	PIN 1	0.3- Brown (Brown)	Keyboard clock output	-----	KEYPAD clock output
	PIN 2	0.3- Pink	LCD command/data control output	-----	LCD command/data control output
	PIN 3	0.3- Orange	LCD chip selection control output	-----	LCD chip selection control output
	PIN 4	0.3- SkyBlue (light blue)	LCD reset control output	-----	LCD reset control output
	PIN 5	0.3- Purple	Keyboard serial input	-----	KEYPAD data input
	PIN 6	0.3- Brown (Brown)	Keyboard lock control output	-----	KEYPAD latch control output
	PIN 7	0.3- White	LCD serial data output	-----	LCD serial data output
	PIN 8	0.3- Green	LCD serial clock output	-----	LCD serial clock output
	PIN 9	0.3- Purple	RS232 TX	-----	
	PIN 10	0.3-Green (green)	RS485 TR+	-----	
	PIN 11	0.3-Gray (gray)	RS232 RX	-----	
	PIN 12	0.3- Blue	RS485 TR-	-----	
	PIN 13	0.3-Brow/white (brown white)	Input (signal input)	IN0	Coin signal input
	PIN 14	0.3-Red/white (red and white)	Input (signal input)	IN1	
	PIN 15	0.3-Orange/white (orange white)	Input (signal input)	IN2	

J3	PIN 16	0.3-Yellow/white (yellow and white)	Input (signal input)	IN3	Twisted Egg # 1 Button Input (Top Left)
	PIN 17	0.3-Green/white	Input (signal input)	IN4	Twisted Egg # 2 Button Input (Top Right)
	PIN 18	0.3-Blue/white	Input (signal input)	IN5	Twisted Egg # 3 Button Input (bottom right)
	PIN 19	0.3-Purple/white (purple white)	Input (signal input)	IN6	Twisted Egg # 4 Button Input (Middle Down)
	PIN 20	0.3-Gray/white (gray white)	Input (signal input)	IN7	Twisted Egg # 5 Button Input (Bottom Left)
	PIN 21	0.3-Brow/white (brown white)	Input (signal input)	IN8	
	PIN 22	0.3-Red/white (red and white)	Input (signal input)	IN9	
	PIN 23	0.3-Orange/white (orange white)	Input (signal input)	IN10	
	PIN 24	0.3-Yellow/white (yellow and white)	Input (signal input)	IN11	
	PIN 25	0.3-Green/white	Input (signal input)	IN12	
	PIN 26	0.3-Blue/white	Input (signal input)	IN13	
	PIN 27	0.3-Purple/white (purple white)	Input (signal input)	IN14	
	PIN 28	0.3-Gray/white (gray white)	Input (signal input)	IN15	
	PIN 29	0.3-Brow/white (brown white)	Input (signal input)	IN16	Twisted Egg # 1 Twisted Egg Detection (Top Left)
	PIN 30	0.3-Red/white (red and white)	Input (signal input)	IN17	Twisted Egg # 2 Twisted Egg Detection (Top Right)
	PIN 31	0.3-Orange/white (orange white)	Input (signal input)	IN18	Twisted Egg # 3 Twisted Egg Detection (bottom right)
	PIN 32	0.3-Yellow/white (yellow and white)	Input (signal input)	IN19	Twisted Egg # 4 Twisted Egg Detection (Middle and Lower)
	PIN 33	0.3-Green/white	Input (signal input)	IN20	Twisted Egg # 5 Twisted Egg Detection (bottom left)
	PIN 34	0.3-Blue/white	Input (signal input)	IN21	
	PIN 35	0.3-Purple/white (purple white)	Input (signal input)	IN22	
	PIN 36	0.3-Gray/white (gray white)	Input (signal input)	IN23	
	PIN 37	0.3-Brow/white (brown white)	Input (from MCU)	IN24	Upper level flowing lights (connected in parallel on both sides)
	PIN 38	0.3-Red/white (red and white)	Input (from MCU)	IN25	Lower level flowing light (connected side by side)
	PIN 39	0.3-Orange/white (orange white)	Input (from MCU)	IN26	Coin operated peripheral flow lights (two connected in parallel)
	PIN 40	0.3-Yellow/white (yellow and white)	Input (from MCU)	IN27	
	PIN 41	0.3-Green/white	SPI_CK (from MCU)		
	PIN 42	0.3-Blue/white	SPI_SOSI (from MCU)		
	PIN 43	0.3-Purple/white (purple white)	SPI_CS (from MCU)		
	PIN 44	0.3-Gray/white (gray white)	SPI_SISO (from MCU)		
	PIN 45	0.3-White (white)	+3.3V Output (+3.3V power output);	-----	LCD power supply VDD
	PIN 46	0.3-Black (black)	GND (power ground);	-----	LCD power supply GND
	PIN 47	0.3-Red (red)	+5V Output (+5V power output);	-----	Keypad power supply+5V
	PIN 48	0.3-Black (black)	GND (power ground);	-----	Keypad power GND
	PIN 49	0.3-Red (red)	+5V output (+5V power input);	-----	
	PIN 50	0.3-Black (black)	GND (power ground);	-----	
	PIN 1	0.3- Brown (Brown)	Output (Drive Output)	LED2 4	

J5	PIN 2	0.3- Pink	Output (Drive Output)	LED2 3	
	PIN 3	0.3- Orange	Output (Drive Output)	LED2 2	
	PIN 4	0.3- SkyBlue (light blue)	Output (Drive Output)	LED2 1	
	PIN 5	0.3- Green	Output (Drive Output)	LED2 0	
	PIN 6	0.3- Blue	Output (Drive Output)	LED1 9	
	PIN 7	0.3- Purple	Output (Drive Output)	LED1 8	
	PIN 8	0.3- Gray	Output (Drive Output)	LED1 7	
	PIN 9	0.3- Brown (Brown)	Output (Drive Output)	LED1 6	
	PIN 10	0.3- Pink	Output (Drive Output)	LED1 5	
	PIN 11	0.3- Orange	Output (Drive Output)	LED1 4	
	PIN 12	0.3- SkyBlue (light blue)	Output (Drive Output)	LED1 3	
	PIN 13	0.3- Green	Output (Drive Output)	LED1 2	
	PIN 14	0.3- Blue	Output (Drive Output)	LED1 1	
	PIN 15	0.3- Purple	Output (Drive Output)	LED1 0	
	PIN 16	0.3- Gray	Output (Drive Output)	LED9	
	PIN 17	0.3- Brown (Brown)	Output (Drive Output)	LED8	
	PIN 18	0.3- Pink	Output (Drive Output)	LED7	
	PIN 19	0.3- Orange	Output (Drive Output)	LED6	
	PIN 20	0.3- SkyBlue (light blue)	Output (Drive Output)	LED5	
	PIN 21	0.3- Green	Output (Drive Output)	LED4	
	PIN 22	0.3- Blue	Output (Drive Output)	LED3	
	PIN 23	0.3- Purple	Output (Drive Output)	LED2	
	PIN 24	0.3- Gray	Output (Drive Output)	LED1	
	PIN 25	0.3- Yellow	+12V series 1K resistor	-----	
	PIN 26	0.3- Yellow	+12V series 1K resistor	-----	
	PIN 27	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 28	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 29	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 30	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 31	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 32	0.3- Brown (Brown)	+12V series 1K resistor	-----	
	PIN 33	0.3- Brown (Brown)	+12V Output (+12V power output);	-----	
	PIN 34	0.3- Brown (Brown)	+12V Output (+12V power output);	-----	
J4	PIN 1	0.3- Brown (Brown)	Output (Drive Output)	OUT1 6	Twisted Egg # 1 Gift Door Light (Top Left)
	PIN 2	0.3- Yellow	PWM_EX	-----	+12V Switching Power Supply
	PIN 3	0.3- Orange	Output (Drive Output)	OUT1 7	Twisted Egg # 2 Gift Door Light (Top Right)
	PIN 4	0.3- Yellow	PWM_EX	-----	
	PIN 5	0.3- Green	Output (Drive Output)	OUT1 8	Twisted Egg # 3 Gift Door Light (bottom right)

	PIN 6	0.3- Yellow	PWM_EX	-----	
	PIN 7	0.3- Purple	Output (Drive Output)	OUT1 9	Twisted Egg # 4 Gift Door Light (Middle Lower)
	PIN 8	0.3- Yellow	PWM_EX	-----	
	PIN 9	0.3- Brown (Brown)	Output (Drive Output)	OUT2 0	Twisted Egg # 5 Gift Door Light (bottom left)
	PIN 10	0.3-Black (black)	PWM_GND	-----	
	PIN 11	0.3- Orange	Output (Drive Output)	OUT2 1	Upper level red neon lights
	PIN 12	0.3-Black (black)	PWM_GND	-----	
	PIN 13	0.3- Green	Output (Drive Output)	OUT2 2	Lower level red neon lights
	PIN 14	0.3-Black (black)	PWM_GND	-----	
	PIN 15	0.3- Purple	Output (Drive Output)	OUT2 3	Bottom red neon light
	PIN 16	0.3-Black (black)	PWM_GND	-----	

2. Error code table

Serial numb er	code	meaning
one	E1	Coin dispenser abnormal
two	E2	not used
three	E3	Abnormal storage of data
four	E4	Twister # 1 timeout without gift output
five	E5	Twister # 2 timeout without gift output
six	E6	Twister # 3 timed out with no gift output
seven	E7	Twister # 4 timeout without gift output
eight	E8	Twister # 5 timeout without gift output

Attention: The performance, manual content, and program of this machine are subject to change without prior notice!