



**INSPECTION  
CERTIFICATE**



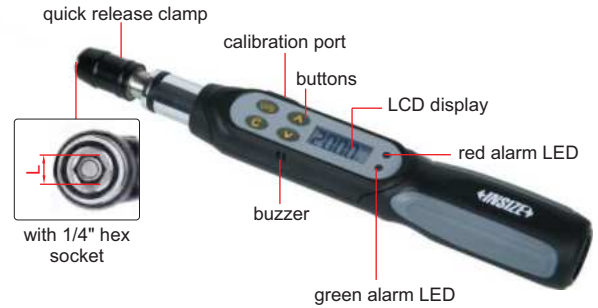
phillips screwdriver bits  
(included)



hex screwdriver bits  
(included)

- Clockwise and counter-clockwise operation
- Unit: cN.m, in.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
  - Red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations

## DIGITAL TORQUE SCREWDRIVERS



IST-SD200

### SPECIFICATION

Code	IST-SD50	IST-SD200	IST-SD400
Range	10~50cN.m	40~200cN.m	80~400cN.m
Accuracy	clockwise	±2.5%	±2.5%
	counter-clockwise	±4%	±3.5%
Resolution	0.1cN.m	0.1cN.m	0.1cN.m
Size of hex socket (L)	1/4"	1/4"	1/4"
Power supply	1×AAA battery		
Length	193mm	203mm	203mm
Weight	190g	200g	200g

### STANDARD DELIVERY

Torque screwdriver	1 pc
Phillips screwdriver bits	1 pc
Hex screwdriver bits	1 pc

### OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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**INSPECTION  
CERTIFICATE**

BUILT-IN  
BLUETOOTH



## BLUETOOTH DIGITAL TORQUE SCREWDRIVERS (KEYBOARD SIGNAL)



IST-3SD200



phillips screwdriver bits  
(included)



hex screwdriver bits  
(included)

### Torque screwdrivers:

- Clockwise and counter-clockwise operation
- Unit: cN.m, in.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
  - Red and green LED lights on and buzzer sounds when target torque value is reached
- Auto power off

### Data transmission:

- Built-in Bluetooth module, which can be connected with computers (with Bluetooth function), mobile phones, tablets and other devices
- Keyboard signal, can be transmitted to Excel
- Transmission distance is 10 meters (no obstacles, no electromagnetic interference)
- Bluetooth connection and disconnection are respectively shown by indicator lights

### SPECIFICATION

Code	IST-3SD50	IST-3SD200	IST-3SD400	IST-3SD600
Range	10~50cN.m	40~200cN.m	80~400cN.m	120~600cN.m
Accuracy	clockwise	±2%		
	counter-clockwise	±3%		
Resolution	0.1cN.m			
Size of hex socket (L)	1/4"			
Power supply	1×3.7V replaceable lithium battery			
Length	203mm			
Weight	190g			

### STANDARD DELIVERY

Torque screwdriver	1 pc
Phillips screwdriver bits	1 pc
Hex screwdriver bits	1 pc

### OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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## WIRED TRANSMISSION DIGITAL TORQUE SCREWDRIVERS (KEYBOARD SIGNAL)

DATA TRANSMISSION

INSPECTION CERTIFICATE



phillips screwdriver bits (included)



hex screwdriver bits (included)

### Torque screwdrivers:

- Clockwise and counter-clockwise operation
- Unit: cN.m, in.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
  - Red and green LED lights on and buzzer sounds when target torque value is reached
- Auto power off

### Data transmission:

- Keyboard signal through a cable, can be transmitted to Excel, Word, Txt, etc.



IST-2SD200

### SPECIFICATION

Code	IST-2SD50	IST-2SD200	IST-2SD400	IST-2SD600
Range	10~50cN.m	40~200cN.m	80~400cN.m	120~600cN.m
Accuracy	clockwise	±2%		
	counter-clockwise	±3%		
Resolution	0.1cN.m			
Size of hex socket (L)	1/4"			
Power supply	1×3.7V replaceable lithium battery			
Length	203mm			
Weight	190g			

### STANDARD DELIVERY

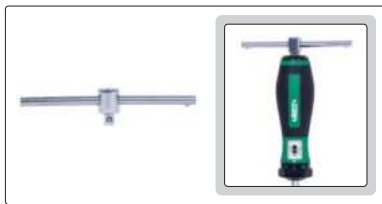
Torque screwdriver	1 pc
Phillips screwdriver bits	1 pc
Hex screwdriver bits	1 pc

### OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
Transmission cable	IST-HID-CABLE

## TORQUE SCREWDRIVERS

ATTENTION: CLOCKWISE OPERATION ONLY



T-bar wrench (for IST-MG250, IST-MG360, IST-MG600)



IST-MG100

### SPECIFICATION

Code	IST-MG100	IST-MG250	IST-MG360	IST-MG600
Range (clockwise)	20~100cN.m	50~250cN.m	60~360cN.m	1.0~6.0N.m
Graduation	2cN.m	5cN.m	5cN.m	0.1N.m
Head	1/4" hex socket			
Accuracy	±6%			
Length	172mm			
Weight	0.26kg			

### STANDARD DELIVERY

Torque screwdriver	1 pc
T-bar wrench (for IST-MG250, IST-MG360, IST-MG600)	1 pc

ATTENTION: TORQUE TESTERS ARE NEEDED FOR CALIBRATION

## INTELLIGENT ELECTRIC SCREWDRIVERS (CURRENT CONTROL)

ATTENTION: SPEED SHOULD BE BELOW 100RPM WHEN TIGHTENING IS ENDED



HES-E152



HES-E403



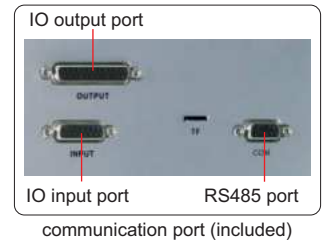
HES-E901A



controller type A



controller type B



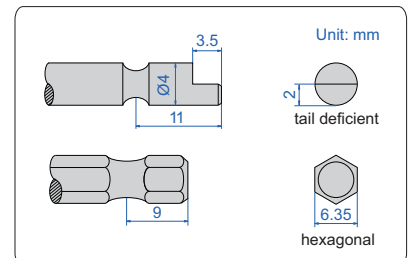
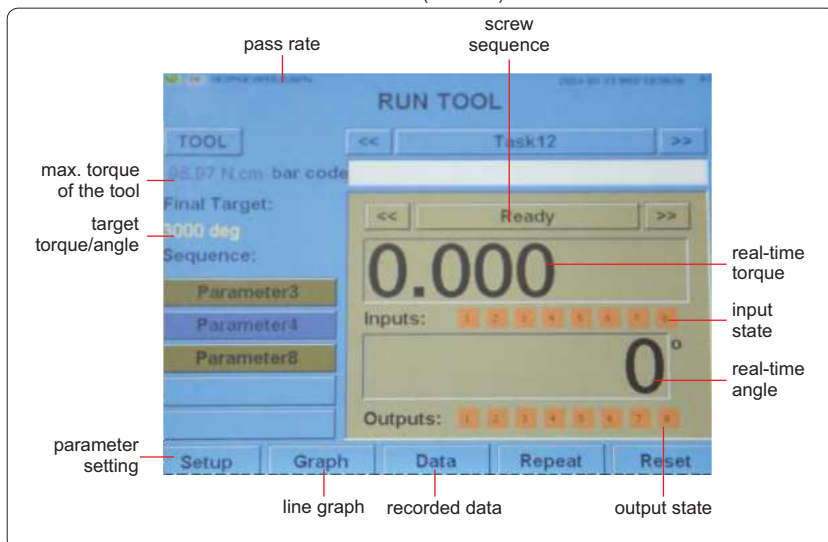
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- Highly efficient heat dissipation setting, ultra-low noise handling
- Permanent magnet synchronous servo motor and high-precision reducer power transmission mechanism
- High-precision angle sensor (resolution 1°) and two-color LED indication of locking status
- The safety level conforms to the relevant provisions of GB3883/IEC60745 and other standards
- 12 task modes, each task can be configured with 8 different torque parameters
- Locked data is stored in EXCEL on the hard disk for 600 days
- Built-in servo drive for precise control of torque, angle and speed
- Provide graphical tool for process optimization and diagnostic
- Provide programmable IO and RS485 communication port for process control and data transmission
- Physical buttons for assisted operation and they are monitored by LED lights



balance arm (optional)

controller (included)



screwdriver head (optional)  
(can be customized: cross, flathead, hexagonal, star-shaped)

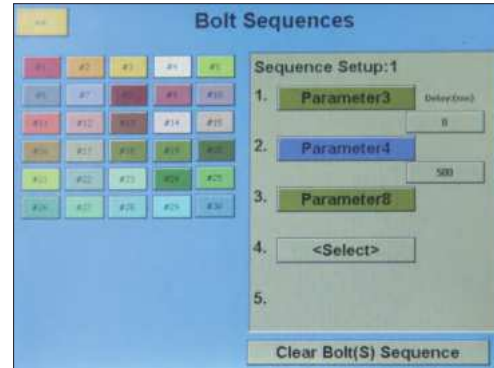
To be continued

Continued from previous page

interface of tightening parameter setting



interface of screw sequence matching parameters



### SPECIFICATION

Code	HES-E151	HES-E152	HES-E401	HES-E402	HES-E403	HES-E404
Torque range	0.01~0.13N.m	0.06~0.55N.m	0.02~0.23N.m	0.15~0.90N.m	0.20~1.20N.m	0.50~1.60N.m
Motor power	DC15W		DC40W			
Max. speed	5000rpm	1200rpm	5000rpm	1200rpm	1000rpm	800rpm
Applicable screw outside diameter	1.0~1.7mm	1.4~2.5mm	1.0~2.0mm	2.0~3.0mm	2.0~3.5mm	2.5~4.0mm
Applicable screwdriver head	Ø4mm tail deficient				6.35mm hexagonal	
Controller	type A					
Power supply	AC 85~264V, 47~63Hz					
Display operation interface	touch screen menu operation mode, 3 function buttons+3 LED indicators					
Torque accuracy	±5% at 30%~80% of maximum output torque, ±8% in other range					
Dimension	electric screwdriver	242×53×35mm	214×64.4×38mm	231×64.4×38mm		
	controller	151.5×185.8×221mm				
Weight	electric screwdriver	300g	400g	500g	600g	
	controller	3500g				

Code	HES-E901A	HES-E902A	HES-E903A	HES-E901B	HES-E902B	HES-E903B
Torque range	0.10~0.70N.m	0.60~2.40N.m	0.60~3.00N.m	0.20~1.20N.m	0.80~4.30N.m	1.00~5.50N.m
Motor power	DC90W			AC90W		
Max. speed	5000rpm	1200rpm	1000rpm	5000rpm	1500rpm	1200rpm
Applicable screw outside diameter	2.0~2.5mm	3.5~4.5mm	3.5~5.0mm	2.0~3.5mm	3.5~5.5mm	4.0~6.0mm
Applicable screwdriver head	6.35mm hexagonal					
Controller	type B					
Power supply	AC 200~230V±10%, 50~60Hz					
Display operation interface	touch screen menu operation mode, 3 function buttons+3 LED indicators					
Torque accuracy	±5% at 30%~80% of maximum output torque, ±8% in other range					
Dimension	electric screwdriver	317×59.5×47.5mm			235×160×345mm	
	controller	210×160×345mm				
Weight	electric screwdriver	900g	1060g	900g	1060g	
	controller	5500g				

### STANDARD DELIVERY

Electric screwdriver	1 pc
Controller	1 pc
Cross screwdriver head	1 pc
Tool connection cable	1 pc
USB transmission cable	1 pc

### OPTIONAL ACCESSORY

Ø4mm tail deficient screwdriver head	
6.35mm hexagonal screwdriver head	
Balance arm	HES-E-X*
QR code scanner	HES-E-S

\* Not suitable for HES-E151, HES-E152

ATTENTION: TORQUE TESTERS ARE NEEDED TO SET TORQUE

## INVERTER BRUSHLESS ELECTRIC SCREWDRIVERS



spring loaded balancer (optional)

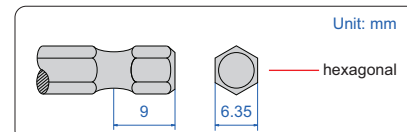


cross screwdriver head (included)



- Adopting high performance, low inertia, low loosening, low power consumption, low impact brushless servo motor components, with ultra-long life and durability
- Frequency conversion and constant voltage function for stable torque, temperature and speed, low temperature rise
- Ergonomic design, small size and light weight, wider range torque, can be applied to a variety of screw locking requirements, reduce procurement cost
- The safety and durability of low-voltage frequency conversion and the convenience and stability of high-voltage direct plug-in, more flexible and economical in operation
- No toner spillage design, meets the requirements of the 3C industry and environmental protection

screwdriver head (optional)  
(can be customized: cross, flathead, hexagonal, star-shaped)



### SPECIFICATION

Code	HES-S020	HES-S050	HES-S120	HES-S160	HES-S200	HES-S250	
Torque range	0.03~0.20N.m	0.05~0.50N.m	0.20~1.20N.m	0.20~1.60N.m	0.40~2.00N.m	0.50~2.50N.m	
	0.3~2.0kgf.cm	0.5~5.0kgf.cm	2.0~12.0kgf.cm	2.0~16.0kgf.cm	4.0~20.0kgf.cm	5.0~25.0kgf.cm	
Torque repeatability	5% (at 30%~80% of maximum output torque)						
Rated power	DC60W					DC75W	
Speed range	700~1000rpm	700~1000rpm	1400~2000rpm	700~1000rpm	700~1000rpm	500~750rpm	
Applicable screw outside diameter	mechanical	1.0~2.2mm	1.0~2.6mm	1.4~3.0mm	2.2~4.2mm	2.6~4.5mm	3.0~5.0mm
	self-tapping	1.0~2.0mm	1.0~2.3mm	1.4~2.6mm	2.0~3.2mm	2.3~3.5mm	2.6~4.0mm
Applicable screwdriver head	6.35mm hexagonal						
Power supply	AC100~240V, 50/60Hz						
Electric screwdriver dimension	238×45×40mm						
Electric screwdriver weight	450g						

### STANDARD DELIVERY

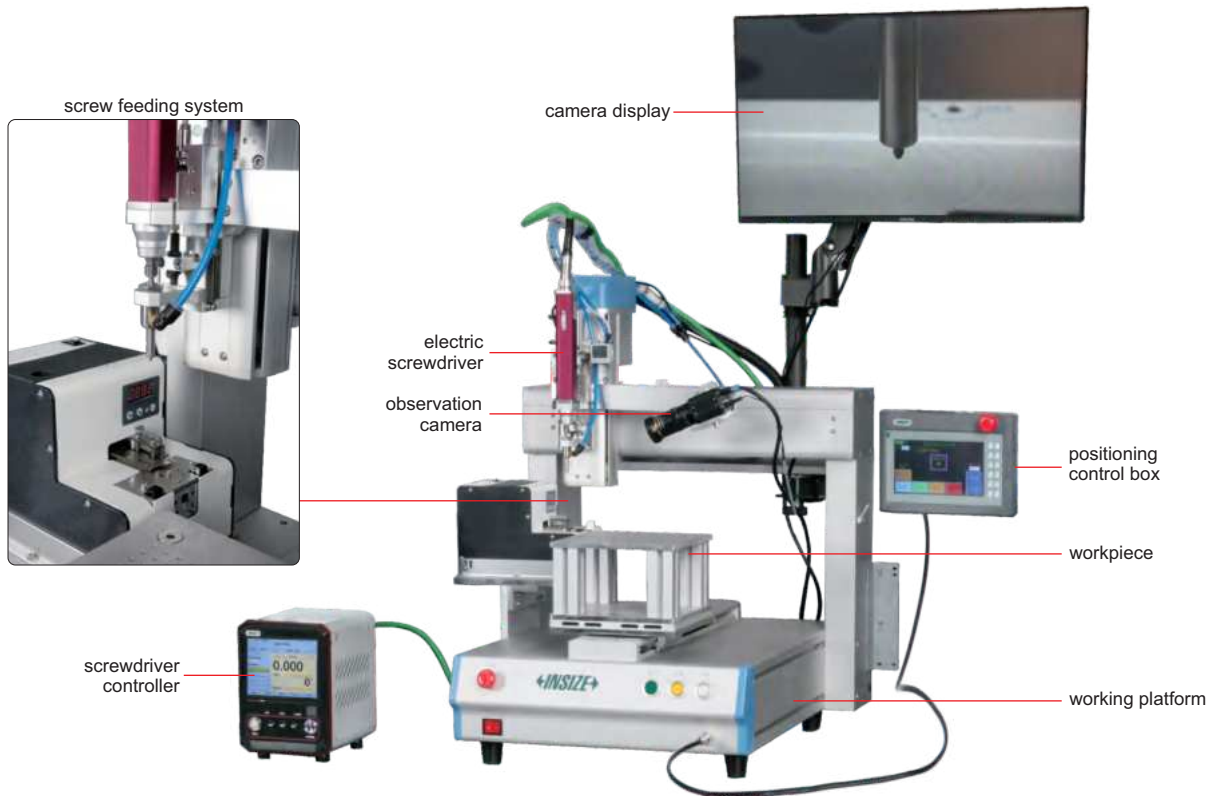
Electric screwdriver	1 pc
AC adapter	1 pc
Cross screwdriver head	2 pcs

### OPTIONAL ACCESSORY

6.35mm hexagonal screwdriver head	
Spring loaded balancer	HES-E-X

# DESKTOP AUTOMATIC TIGHTENING MACHINE CODE ATM

CUSTOMIZED ACCORDING  
TO WORKPIECES



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## SPECIFICATION

Working platform	working direction		vertically down
	max. operation speed	XY-axis	800mm/s
		Z-axis	400mm/s
	max. load	XY-axis	10kg
		Z-axis	5kg
	positioning repeatability		±0.05mm
	control axis		XYZ axis
	number of preset positioning programs		80
number of positioning points for one program		350	
Intelligent electric screwdriver*	number of I/O ports		4 input, 4 output
	applicable torque range		0.01~7.50N.m
	applicable screw outside diameter		1.0~7.0mm
	torque accuracy		±5% at 30%~80% of maximum output torque, ±8% in other range
	resolution of angle		1°
	number of preset tightening programs		12
Power supply	number of preset callable parameters		8
	number of I/O ports		8 input, 8 output
	Pressure supply		AC 220V, 50Hz
Environmental requirement		0.5~0.7Mpa	
		temperature: 0~40°C, relative humidity: 20~85%	

- Working platform is equipped with servo motor for fast working speed and high positioning accuracy
- Intelligent screwdriver with precise control of torque, angle and speed
- Blow or suction automatic screw feeding system is efficient and stable
- Camera-assisted positioning for more convenient and accurate

### steps

- Step 1: place the workpiece on positioning fixture and fix it firmly
- Step 2: press the reset button to return the platform and cylinder to the initial position
- Step 3: press the start button, according to the set program to complete tightening of all screws on the workpiece
- Step 4: replace workpiece

## STANDARD DELIVERY

Working platform	main unit
	positioning control box
	positioning fixture
Intelligent electric screwdriver	electric screwdriver controller
	suitable screwdriver head
Screw feeding system	1 set
Camera-assisted positioning system	1 set
Control program	1 set

\* Intelligent screwdrivers with different torque ranges for different tightening screws