A collection of various smart screwdrivers of different sizes and configurations, including a large one at the top and several smaller ones below. The background is dark blue with a grid pattern. The text is white and orange.

Smart Screwdriver

machine handheld

M0.8-M12 0.2-180 KGF.CM

programmable tightening

High precision, high stability, customization

## Smart screw locking system

It is a complete solution to solve problems of screw locking key technologies of self-developed servo motor, locking control software and multiple years of experience in automatic tightening and workstation integrative system can meet high precision and quality on different screw tightening conditions from customer requirement.

Also provide one-stop solution, screw tightening tools with module, nozzle, blowing clamp and screw feeder system. The system can be conveniently installed on the straight XY platform and end of horizontal multi joint robot to help you quickly complete screw tightening workstation.

## Features

**High precision :** Improve tightening quality and high stability

twist torque  $\pm 5\%$  , CPK  $\geq 1.67$  to high precision and stability

**Tightening angle control :** control screw yield angle while ensure tightening efficiency

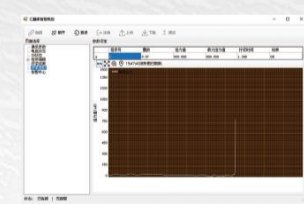
monitor the tightening angle after fitting, and also set upper & lower limits of the angle

**Software & Mechanical :** customizable

software and mechanical can be developed for different application scenarios to meet customer requirements

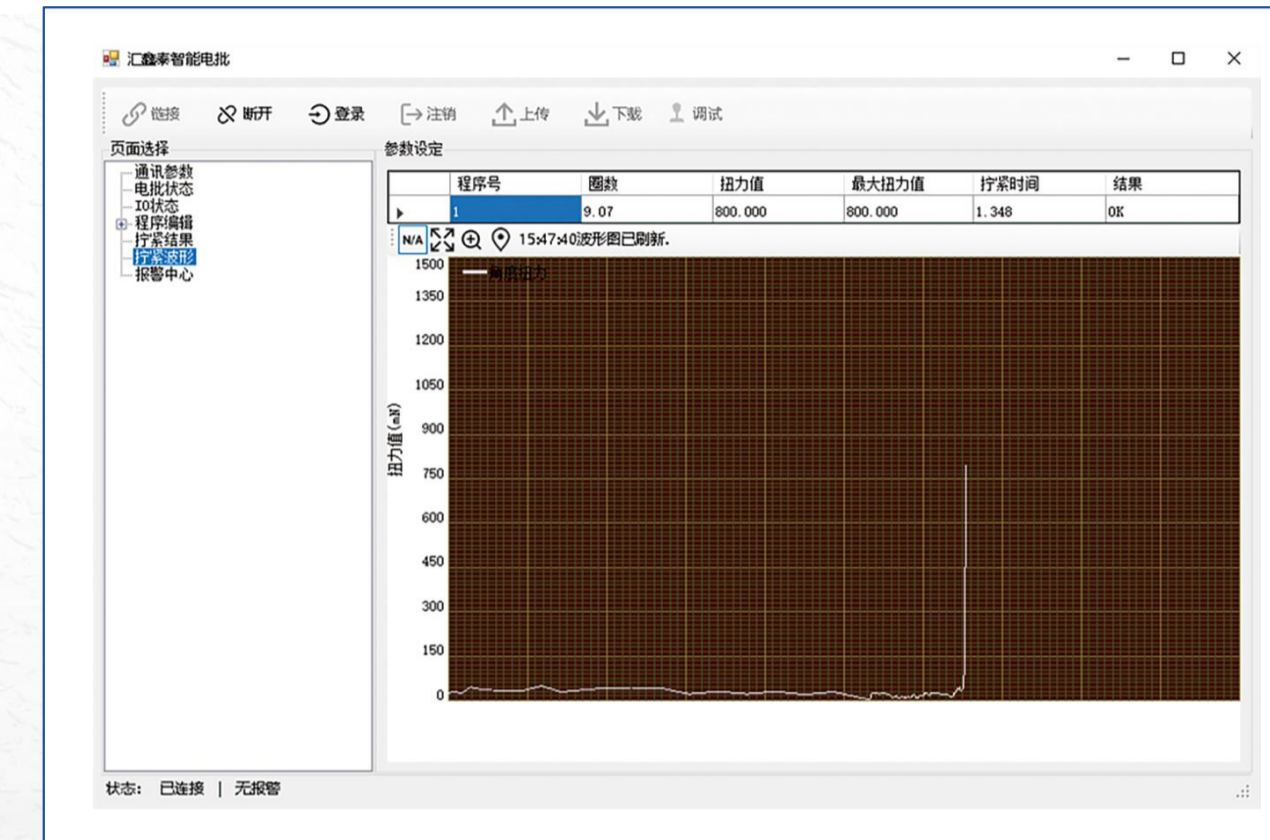


## One Stop Solution



## UI Interface of machine motorized batch software

### Locking condition monitor



■ easily and vividly set screw tightening parameters each stage

■ real time tracking of tightening torque

■ installed and used in Windows system

■ equipped with various control modes, torque, angle, and fitting points, etc.

■ easily understand, save and upload parameter setting & locking records

■ parameter setting UI interface, visual for setting screw locking parameter

■ set and store 8 different programs via controller

### Handheld screwdriver controller instruction

■ controller can connect scanning gun, support U-disk storage, and be with network communication to achieve MES docking

■ 7-inch screen that can simultaneously and independently show the operation result of each screwdriver

■ large capacity memory, capable of recording over 20,000 locking results separately



## XS series machine screwdriver

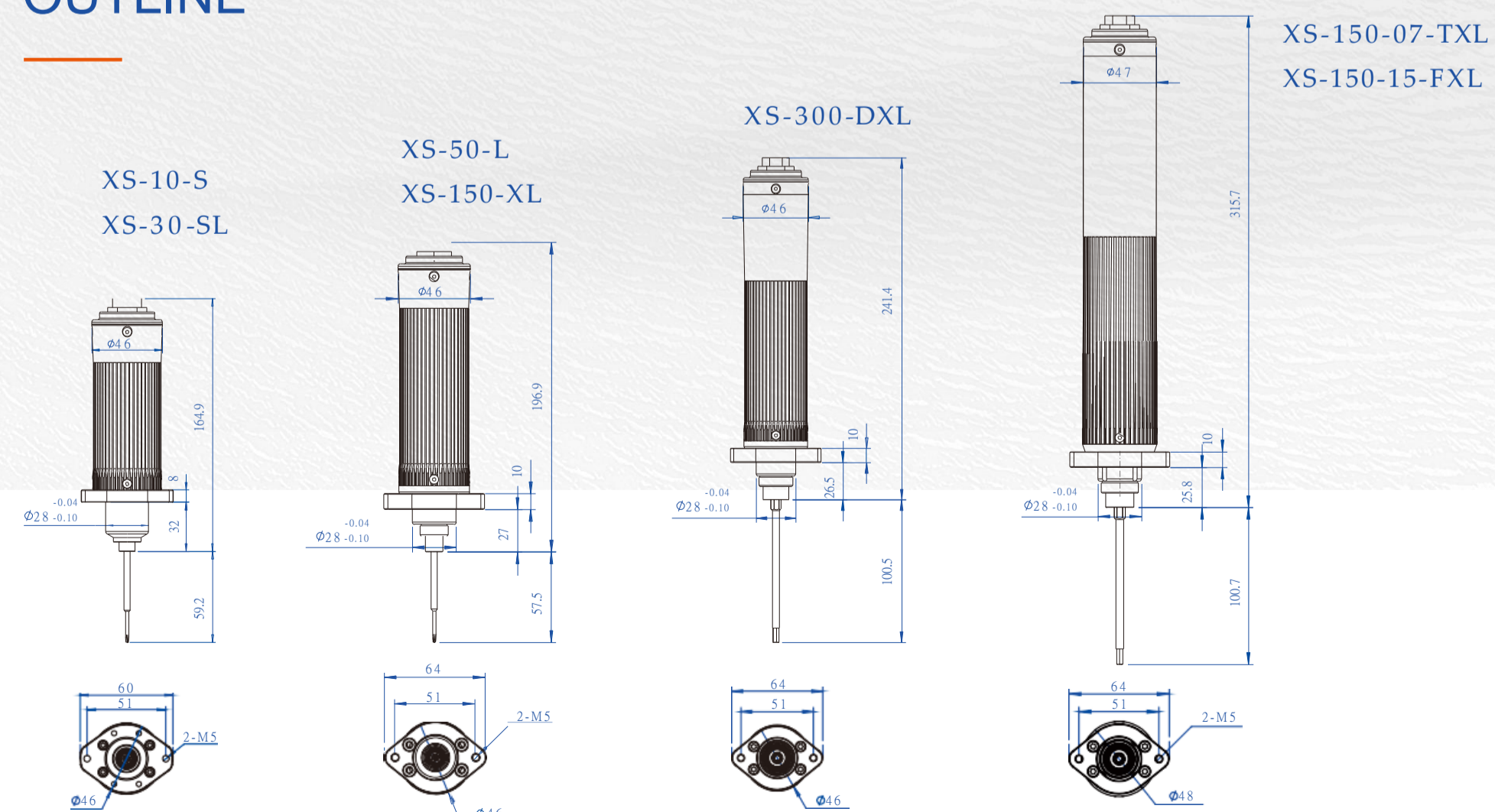
### Feature

- low noise, low vibration, long lifetime and high reliability
- high performance servo motor equipped with high precision encoder
- specially developed for tightening application scenarios with small installation space
- straight or lateral line outgoing according to customer needs

### SPEC

model #	Torque(N.M)	Automatic speed(rpm)	Weight(kg)	torque accuracy	batch spec	Voltage(V)
XS-10-S	0.02-0.1	10-1200	0.37	±5%	HM4	DC:48
XS-30-SL	0.05-0.28	10-1200	0.4	±5%	HM4	DC:48
XS-50-L	0.08-0.35	10-1200	0.6	±5%	HM4	DC:48
XS-150-XL	0.3-1.4	10-1200	0.9	±5%	HM4	DC:48
XS-300-DXL	0.7-2.7	10-1200	1.2	±5%	1/4" Hex	DC:48
XS-150-07-TXL	2.1-8.0	10-850	1.6	±5%	1/4" Hex	DC:48
XS-150-15-FXL	7.0-18.0	10-220	1.7	±5%	1/4" Hex	DC:48

### OUTLINE



## HS series handheld economic screwdriver

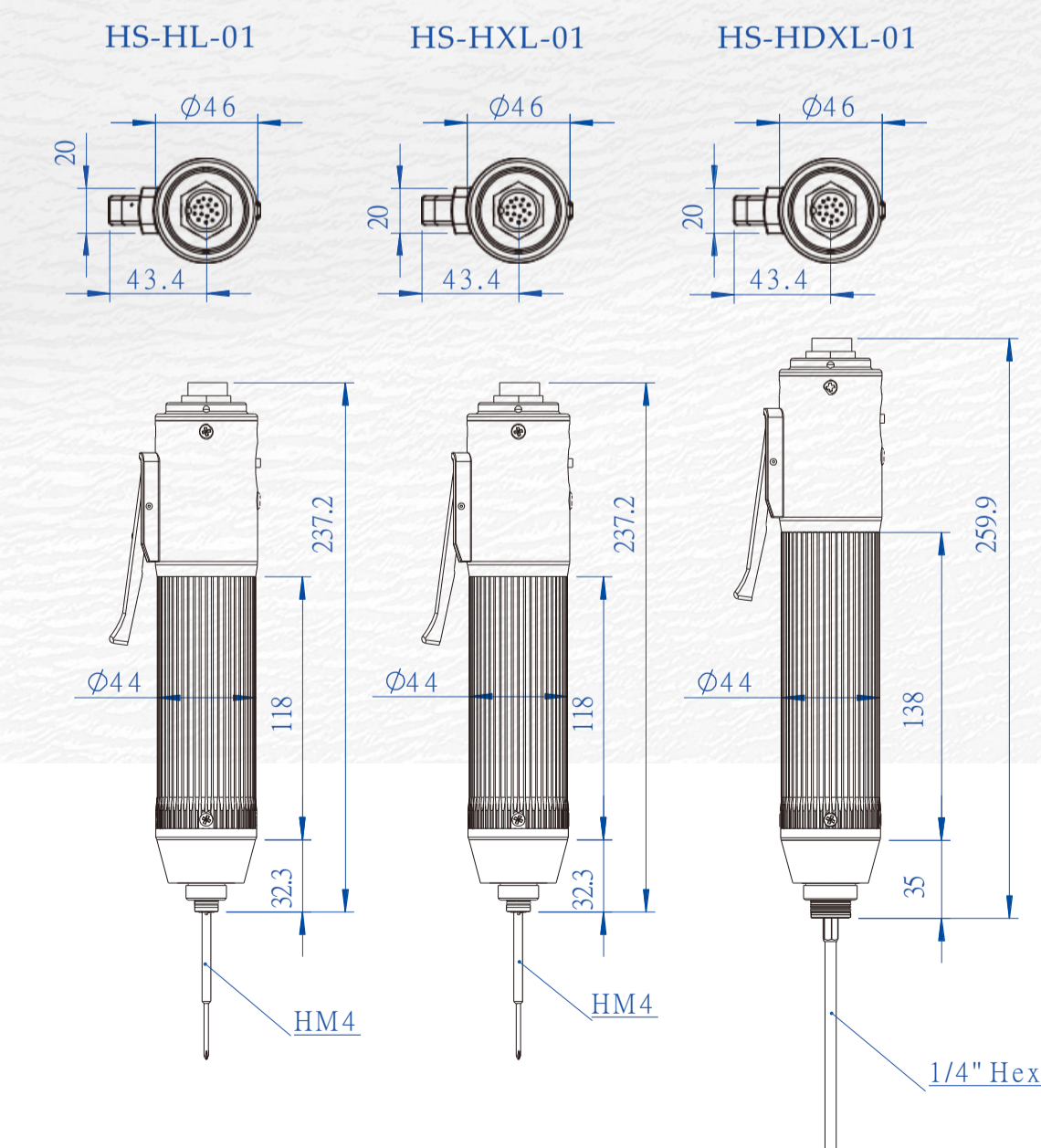
### Feature

- low noise, low vibration, long lifetime and high reliability
- high performance servo motor equipped with high precision encoder
- efficient heat dissipation shell design, ultra low noise processing
- adopt a lightweight design to grip the handle and prevent slipping, equipped with a forward & reverse switch, and one circular indicator to show tightening status

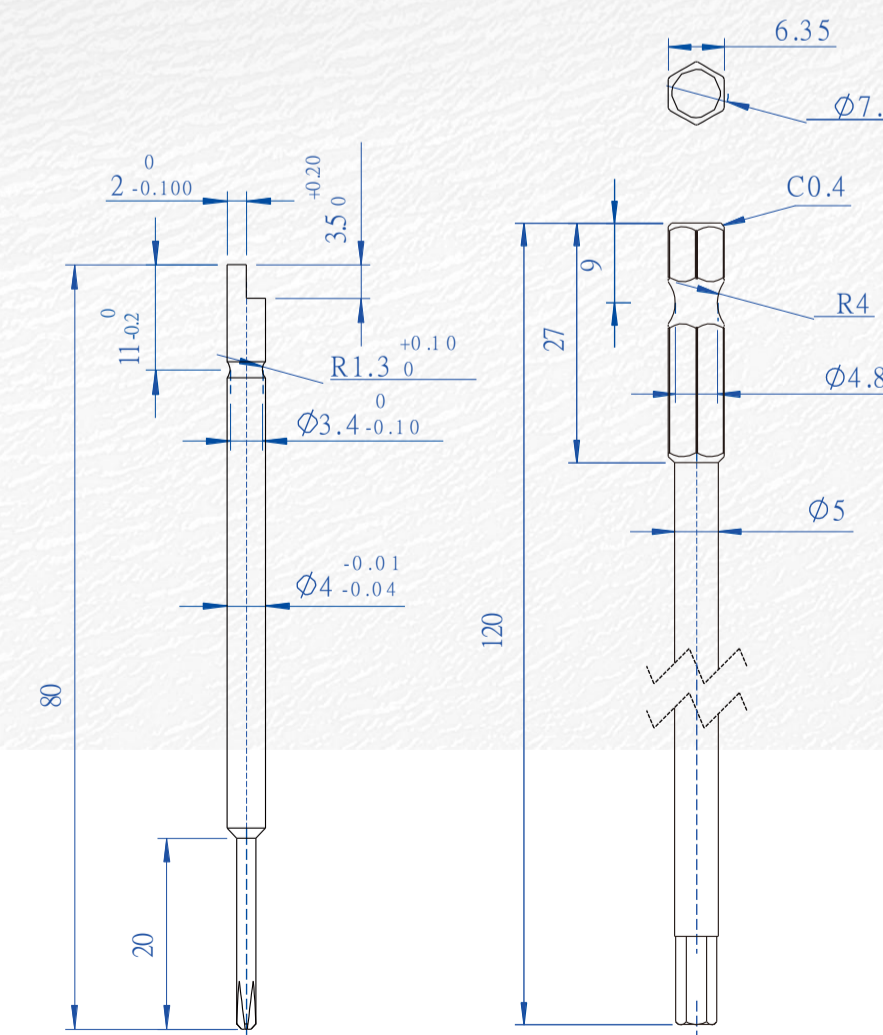
### SPEC

MODEL#	TORQUE(N.M)	Automatic speed(rpm)	Weight(kg)	Torque accuracy	Voltage(V)
HS-HL-01	0.08-0.35	10-1200	0.7	±5%	DC:48
HS-HXL-01	0.3-1.4	10-1200	0.9	±5%	DC:48
HS-HDXL-01	0.7-2.7	10-1200	1.2	±5%	DC:48

### Outline



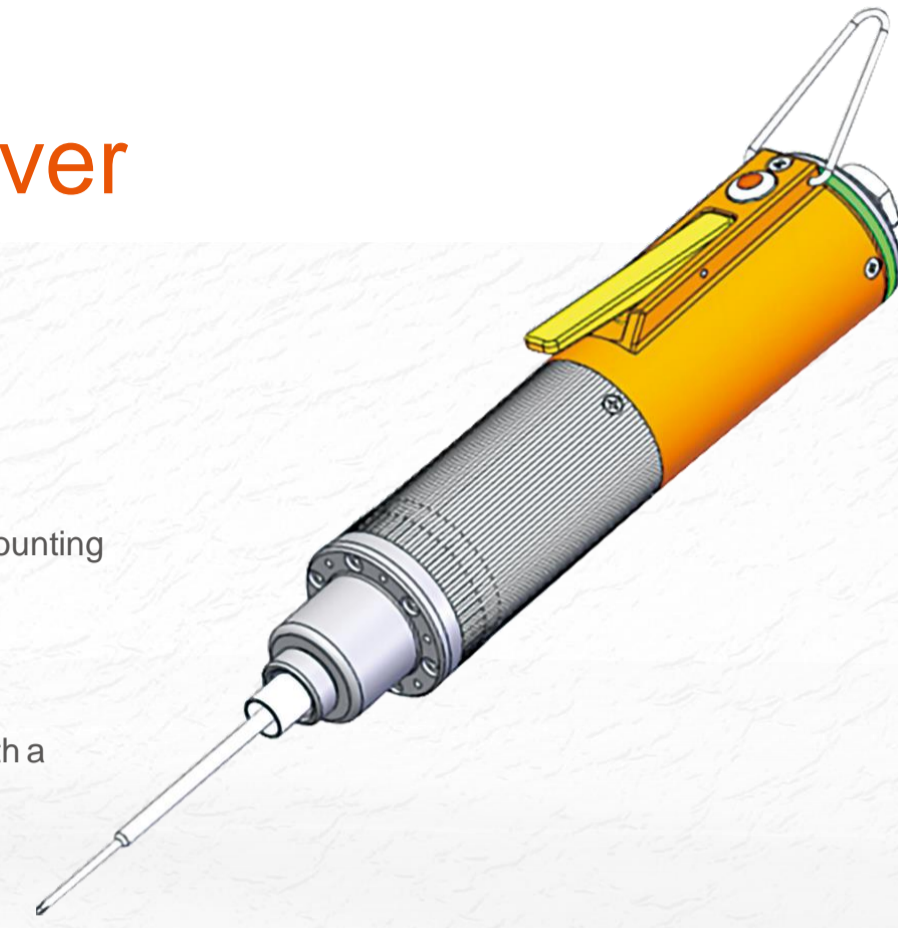
### Bit spec



# XS series handheld integrative screwdriver

## Features

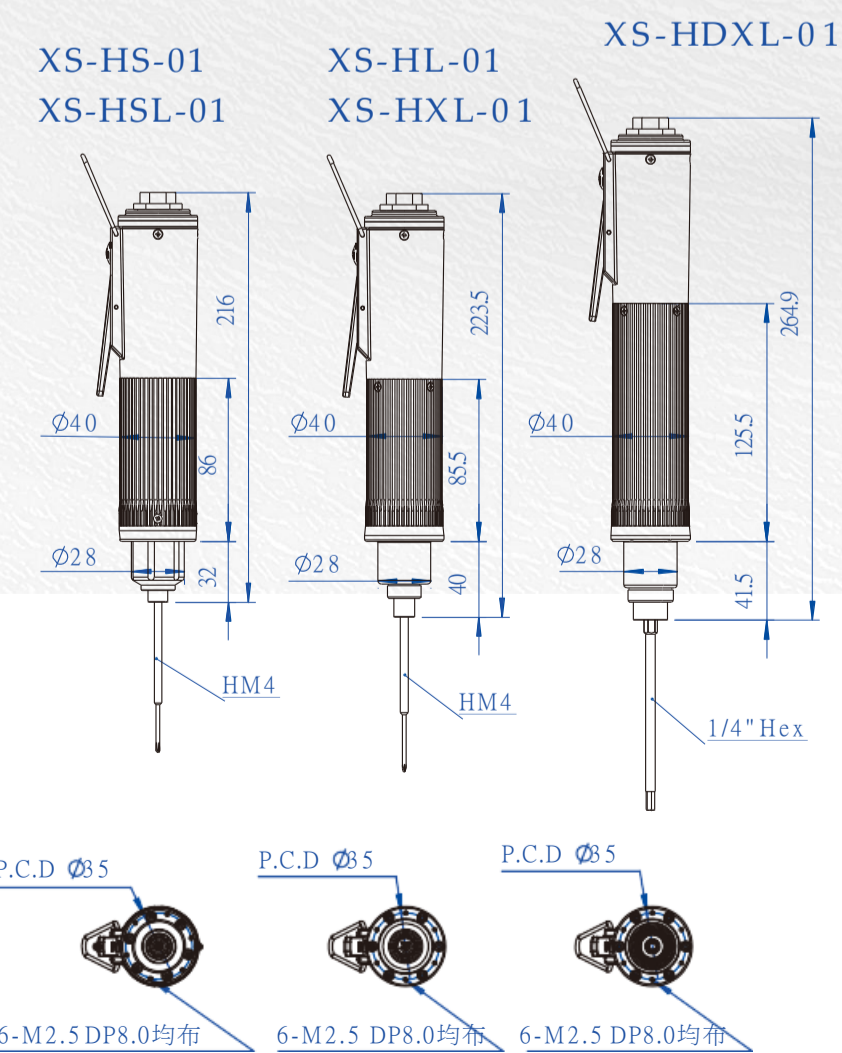
- low noise, low vibration, long lifetime and high reliability
- flexible installation, multiple functionality and support machine and handheld mounting
- high performance servo motor that equipped with high accuracy encoder
- efficient heat dissipation shell design, ultra low noise processing
- adopt a lightweight design to grip the handle and prevent slipping, equipped with a forward & reverse switch, and one circular indicator to show tightening status



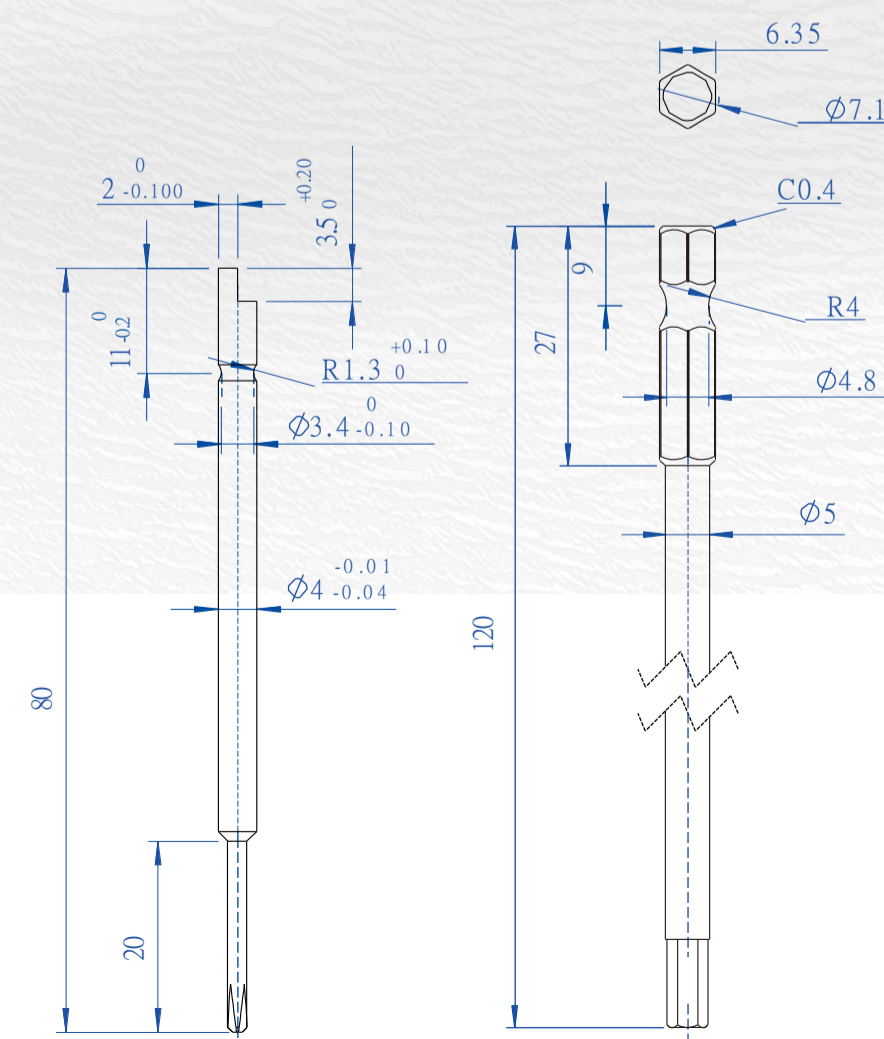
## Spec

model #	torque(N.M)	automatic speed(rpm)	weight(kg)	torque accuracy	Voltage(V)
XS-HS-01	0.02-0.1	10-1200	0.45	±5%	DC:48
XS-HSL-01	0.05-0.28	10-1200	0.5	±5%	DC:48
XS-HL-01	0.08-0.35	10-1200	0.6	±5%	DC:48
XS-HXL-01	0.3-1.4	10-1200	0.8	±5%	DC:48
XS-HDXL-01	0.7-2.7	10-1200	1.1	±5%	DC:48

## outline



## bit spec



## Accessory list

