

INDUSTRIAL TIGHTENING SOLUTION



Transducerized DC Tool Unit & Digital Assembly System

Transducerized DC Tool

- SMT-10SI
- SMT-30SI
- SMT-30I
- SMT-50I
- SMT-70I
- SMT-120I
- SMT-180I
- SMT-250I

Output Data (SD Card)

Barcode Scanner
EAA-BRD1
Connected by cable
EAA-BRD2
Connect by Bluetooth

Software Upgrade/Updated

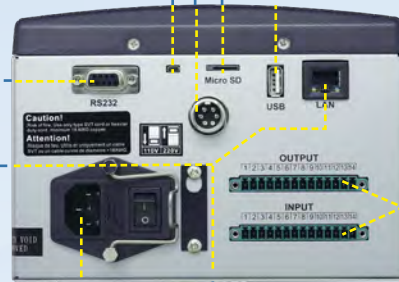
USB Port

Bluetooth



Lamp / Buzzer Control Switch

RS232



SMT-C1

I/O Port

WiFi

LAN

External input	Output
1.Start	1.Start
2.Reverse	2.Reverse
3.Disable	3.OK
4.Confirm	4.NG
5.Cleared	4.NG
6.Gate	5.OKALL
7.Sequence Cleared	

AC110-240V

LAN



PLC



EAA-AMS-2 (Route)



Tool Holster / Pistol Grip



Model	SMT tool	SMT-10SI	SMT-30SI	SMT-30I	SMT-50I	SMT-70I	SMT-120I	SMT-180I	SMT-250I
EAA-HD2		●	●	X	X	X	X	X	X
EAA-HD2L		●	●	●	●	●	●	●	X
EAA-HD6		X	X	●	●	●	X	X	X
EAA-HD7		X	X	X	X	X	●	●	X
EAA-LG15/S		X	X	●	●	●	X	X	X
EAA-LG16/S		X	X	X	X	X	●	●	X

Supporting Arm & Torque Reaction Arm



TA-22050B
Max Torque: 14.7 Nm
w/SA-22050 Spring Balancer

TA-22070B
Max Torque: 24.5 Nm
w/SA-22070 Spring Balancer

ST-TAIS030SB
Max Torque: 15.3 Nm
w/SA-22030 Spring Balancer

ST-TAIS050SB
Max Torque: 25.5 Nm
w/SA-22050 Spring Balancer

Model	TA-22050B	TA-22070B	ST-TAIS030SB	ST-TAIS050SB	
Max Torque	Nm	14.7	24.5	15.3	25.5
	kgf-cm	150	250	150	250
Radius (mm)	R347-R557	R468-R748	Max. R508	Max. R750	
Vertical Stroke (mm)	453	553	370	445	
Tool Weight (kgs)	0.8-2.8	0.3-2.3	<0.8	<1.45	
Clamp Capacity (mm)	25 - 45	25 - 45	37 - 52	37 - 52	
Applicable Models	SMT-10SI SMT-30SI SMT-30I SMT-50I SMT-70I		SMT-10SI SMT-30SI SMT-30I SMT-50I SMT-70I SMT-120I	SMT-10SI SMT-30SI SMT-30I SMT-50I SMT-70I SMT-120I SMT-180I SMT-250I	
	Optional Clamp Collar	TA22050-25A-1		Clamp for SMT-10SI / SMT-30SI	
		TA22050-25B-1		Clamp for SMT-30I/ 50I/ 70I	
		TA22050-25B-2		Clamp for SMT-120I / 180I	
TA22050-25B-3		Clamp for SMT-250I			

SUMAKE®

MAKE JOBS BETTER THAN EVER





VISIBLE SIGNAL LED SYSTEM

- OK (green & short buzz)
- NG (red)
- OK ALL (green & long buzz)

START MODE

Lever start / Push start / Lever or push start.

REVERSE BUTTON

ERGONOMIC DESIGN

Covered rubber grip offers better user handling comfort during the operation.

INNOVATIVE BRUSHLESS MOTOR

Reduces noise and vibration resulting in lower maintenance.

LOCKING SPACE

For automation assembly applications.



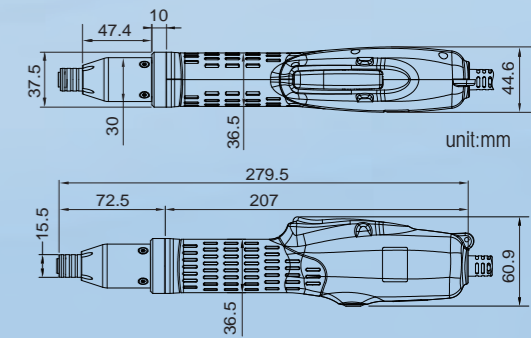
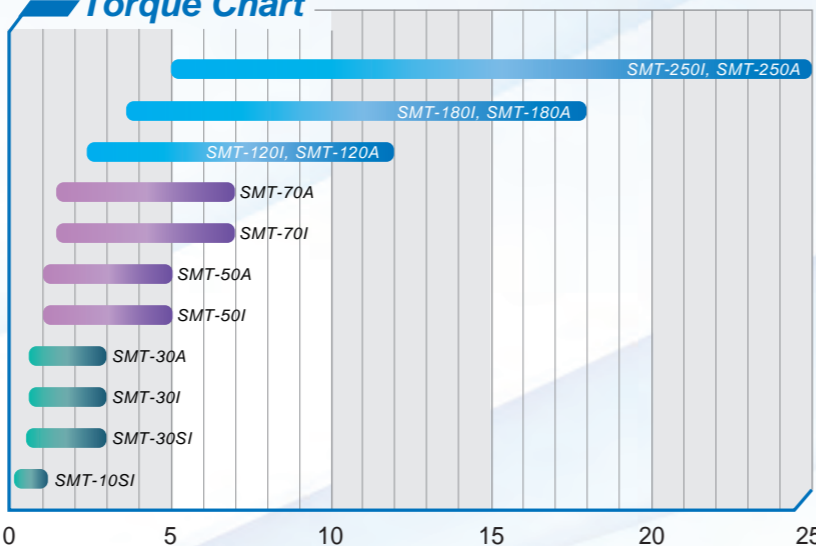
BUILD-IN LED LIGHT

Illuminate work area

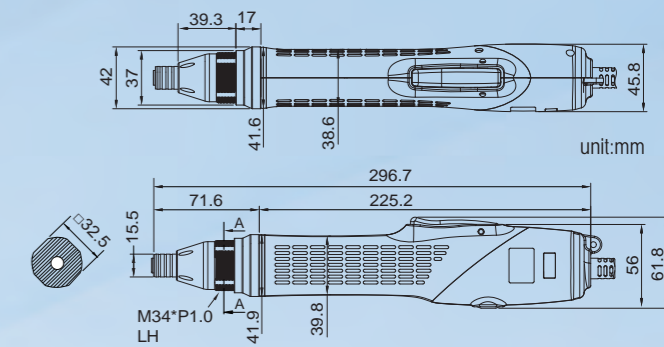
LED MODE:

Constantly lit / Off / Lit during operation

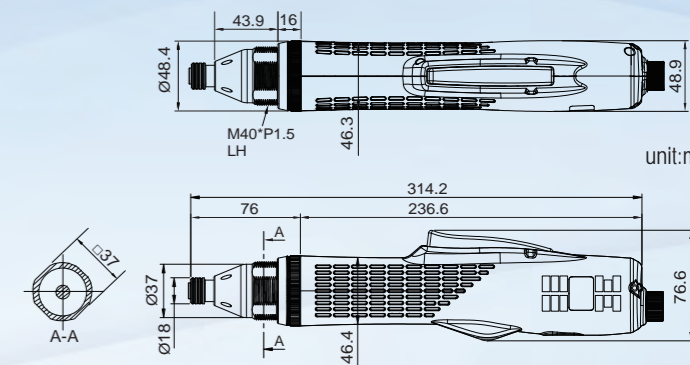
Torque Chart



Model	Torque			Repeatable Torque Accuracy	Free speed (r.p.m)	Input voltage	Power consumption	Weight (g)	Length (mm)	ESD (Anti-Static)	CE	RoHS	Power controller	Bit Type
	kgf.cm	Lbf.in	N.m											
SMT-10SI	1.02~10.2	0.86~8.85	0.1~1	3 sigma / AVG., 7.5%	100~980	DC40V	90W	680	279.5	✓	✓	✓	SMT-C1	B,D
SMT-30SI	5.1~30.59	4.4~26.55	0.5~3		100~980									



Model	Torque			Repeatable Torque Accuracy	Free speed (r.p.m)	Input voltage	Power consumption	Weight (g)	Length (mm)	ESD (Anti-Static)	CE	RoHS	Power controller	Bit Type
	kgf.cm	Lbf.in	N.m											
SMT-30I	6.11~30.59	5.31~26.55	0.6~3	3 sigma / AVG., 7.5%	160~1600	DC40V	90W	830	297	✓	✓	✓	SMT-C1	B,D,E
SMT-50I	10.2~51.00	8.85~44.25	1~5		110~1100									B,E
SMT-70I	14.27~71.39	12.39~61.96	1.4~7		70~660									B



Model	Torque			Repeatable Torque Accuracy	Free speed (r.p.m)	Input voltage	Power consumption	Weight (g)	Length (mm)	ESD (Anti-Static)	CE	RoHS	Power controller	Bit Type
	kgf.cm	Lbf.in	N.m											
SMT-120I	24.47~122.37	21.24~106.21	2.4~12	3 sigma / AVG., 7.5%	100~1000	DC40V	90W	1130	312.6	✓	✓	✓	SMT-C1B	B,W
SMT-180I	36.71~183.55	31.86~159.31	3.6~18		60~600									





Programmable



Monitor Tightening



Improve Efficiency

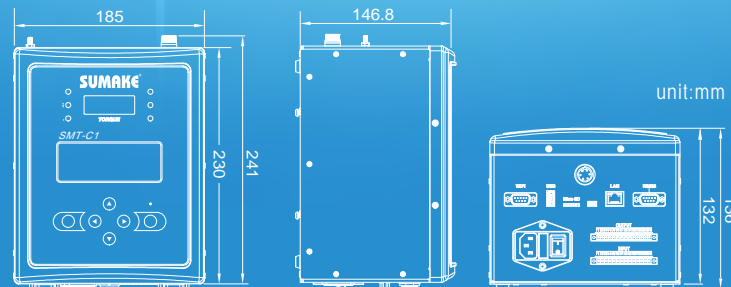


Data Record



✓ The SUMAKE SMT-C1 smart controller takes tightening job to entirely better levels of productivity, quality, traceability and connectivity, it is able to connect full range of SUMAKE Transducerized DC assembly tools: SMT-10SI / SMT-24I / SMT-30SI / SMT-30I(A) / SMT-50I(A) / SMT-70I(A) / SMT-120I / SMT-180I / SMT-250I, giving users a single assembly platform in their work station.

✓ Able to set up and save Max. 50 sets of job.
Easily to set and change tightening parameters through control panel or DAS system program (connected with PC)
Quickly call out the jobs through external barcode scanner.
Faster data output can be reached through built-in SD card module.
Able to connected to PC/PLC through Ethernet, RS232 or external WiFi module for executing the Jobs call out, parameters setting or results data transferring.



Specification

Model	SMT-C1(B)
Input voltage	AC 115 / 230V ~ 50 / 60Hz, 6.3A
I/O output voltage	40V d.c. , Max. 9A / 360W
Count method	Count-up / Count-down
Detection torque value	According to the screwdriver specifications
External connection input signals	Start / Reverse / Disable / Confirm / Clear screw count / Gate / Sequence Cleared
External connection output signals	OK / NG / OK ALL / Start / Reverse
Serial interface	RS-232 x 2 ,Micro SD ,LAN
System	RS-232 x 2 ,Micro SD ,LAN
External dimentions (mm)	241.4(L) x 185(W) x 146.8(H)
Weight	3.74 kg (8.25 lbs.)
Applicable models	SMT-C1: SMT-10SI / SMT-30SI / SMT-30I(A) / SMT-50I(A) / SMT-70I(A) SMT-C1B: SMT-120I / SMT-180I

Feature

Torque display	✓
Number of job (JOB)	50
Number of job sequences (JS)	50
Number of tightening program (TP)	99
Number of tightening repeat (TR)	99
Number of tightening step (TS)	250
Number of TS for one tightening program	5
Torque chart	EAA-DAS (option: EAA-AMS)
Parameters setting and fastening data acquisition	Control panel / EAA-DAS (option: EAA-AMS)
Ethernet port	✓
Wi-Fi	✓
Barcode (USB port)	✓
SD card (Max. 32GB) Output Fastening data	✓
Output signal	✓
Input signal	✓
Angle control	-

BOOST PRODUCTIVITY

By incorporating the Sumake transducerized smart controller with our automatic screw feeder, your assembly process will benefit from a consistent and uninterrupted supply of screws. This integration leads to a reduction in cycle time and a significant improvement in production efficiency.



Model No.	Description	Catalog
1	coming soon	An add-on subsystem to the SMT series transducer screwdrivers that simplifies the setup and management of your Sumake transducer screwdrivers. coming soon
2	SMT-C1	Transducerized Smart Controller
3	TA-22050B	Torque Supporting Arm --
4	SMT-30SI	Transducerized DC Electric Screwdriver
5	SF30M-NE	Automatic Screw feeder (Magnetic Force Type)
6	DAS	DAS Program --

DECREASE YOUR TASK TIME



SMT-C1 Smart Controller



Automatic Screw Feeder