

2023





MADE BY DSZH TOOL
PREMIUM REFRIGERATION TOOL SERIES





LITHIUM VACUUM PUMP ST-2BMC

Use For **R32**

PATENTED



INTELLIGENT VACUUM PUMP

explosion-proof and sparkless.

Intelligent brushless and variable frequency.

Efficient ultra-fast pumping speed.

Portable light weight, easy to carry and transport.

Item No.	ST-2BMC	ST-2SC
Flow Rate	2.5 CFM	2.5 CFM
Flow hate	70 L/MIN	70 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	2x10 ⁻¹ Pa	2 Pa
Inlet Port	1/4" flare	1/4" flare
Oil Capacity	240 ml	300 ml
Dimension	249.5x105x200mm	249.5x105x200mm
Weight	4 kgs	3.5 kgs

LITHIUM VACUUM PUMP ST-4BMC





INTELLIGENT VACUUM PUMP

Safety explosion-proof and sparkless.

Intelligent brushless and variable frequency.

Efficient ultra-fast pumping speed.

Portable light weight, easy to carry and transport.

Item No.	ST-4BMC	ST-4SC
Flow Rate	4.5 CFM	4.5 CFM
Flow hate	127 L/MIN	127 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	2x10 ⁻¹ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	720 ml	890 ml
Dimension	363x128x276mm	363x128x276mm
Weight	6 kgs	5.4 kgs



MADE BY DSZH TOOL



INTELLIGENT VACUUM PUMP

ST-2BM

PATENTED





INTELLIGENT VACUUM PUMP

- ★Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★Portable and novel appearance.
- ★Integrated cylinder, superior air impermeability.

Item No.	ST-2BM	ST-2S
Flow Rate	2.5 CFM	2.5 CFM
Flow hate	71 L/MIN	71 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	2x10⁻¹ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	240 ml	300 ml
Dimension	215.5x105x200mm	215.5x105x200mm
Weight	3.5 kgs	3 kgs

INTELLIGENT VACUUM PUMP

ST-4BM





INTELLIGENT VACUUM PUMP

- ★Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★ Portable and novel appearance.
- ★Integrated cylinder, superior air impermeability.

Item No.	ST-4BM	ST-4S
Flow Rate	4.5 CFM	4.5 CFM
Flow hate	127 L/MIN	127 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	2x10 ⁻¹ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	720 ml	890 ml
Dimension	290x128x276mm	290x128x276mm
Weight	5.3 kgs	4.7 kgs





INTELLIGENT VACUUM PUMP

Use For R32

ST-8BM



INTELLIGENT VACUUM PUMP

- ★Sparkless brushless motor use for R1234YF, R290, R32 etc flammable refrigerants.
- ★Portable and novel appearance.
- ★Integrated cylinder, superior air impermeability.

Item No.	ST-8BM	ST-8S
Flow Rate	8.5 CFM	8.5 CFM
Flow hate	241 L/MIN	241 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/3 HP	1/3 HP
Ultimate Vac.	2x10 ⁻¹ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	570 ml	600 ml
Dimension	349x139x333mm	349x139x333mm
Weight	11 kgs	10.5 kgs

INTELLIGENT VACUUM PUMP







INTELLIGENT VACUUM PUMP

Overall Double Steel Structure

Ultra-high tightness. Higher ultimate vacuum.

Industrial-grade Design

Super durable.

Built-in intelligent control valve

Intelligent anti-reflux. refrigeration system is shut down.

Gas Ballast Valve

Intelligent Motor

Powerful, easy to start in −1° C environment. kinds of refrigerants such as R32, R600 and so on.

Item No.	ST-15BM
Flow Rate	15 CFM
r iow nate	25 m³/h
Pole No.	Dual Stages
Power	5x10 ⁻¹ Pa
Ultimate Vac.	15 microns
Inlet Port	1/4", 5/16" & 3/8" flare
Oil Capacity	1100 ml
Dimension	407x161x334mm
Weight	14.2 kgs







ST-520D

Brushless DC Motor

Safe, sparkless design Light weight, easy to carry

Double Cylinder Design

Quick recovery Compact structure

Digital Display

LIGHT WEIGHT FAST RECOVERY

Easy and accurate reading of pressure values Backlight for night use

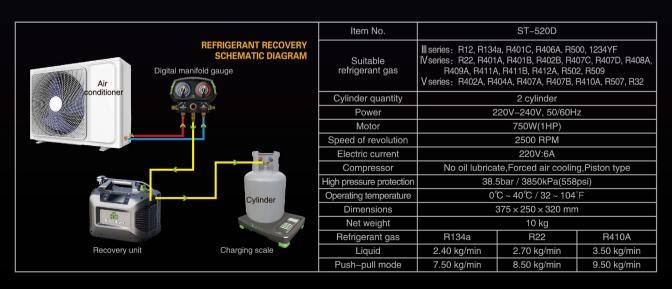
Oilless Compressor

Suitable for R32.R600 and all other refrigerants

Built-in Pressure Sensor

Accurate measurement of pressure values Overpressure protection (38kg)

Prevent mixing of different refrigerants



ROLLER TYPE TUBE CUTTER



Item No.	Description	
ST-319		For φ 1/8" to 3/4"(3–19mm)
ST-428		For φ3/16" to 1–1/8"(4–28mm)
ST-532	Roller Type Tube Cutter	For φ3/16" to 1–1/4"(5–32mm)
ST-650		For φ 1/4" to 2"(6–50mm)
ST-670		For φ 1/4" to 2–3/4"(6–70mm)



ST-428

- ★ ALLOY STEEL BLADE: SHARP AND DURABLE
- **★**BALL BEARING: FLEXIBLE AND ACCURATE
- *ALUMINUM ALLOY CUTTER BODY: LIGHT AND LABOR-SAVING





SMART SPRING TUBE CUTTER

ST-432S



Item No.	Description	
ST-432S	Smart Spring Tube Cutter	For φ 3/16" to 1–1/4"(4–32mm)
ST-532S		For φ 3/16" to 1–1/4"(5–32mm)
ST-650S		For \$ 1-4" to 2"(6-50mm)
ST-670S		For \$ 1-4" to 2-3/4"(6-70mm)

ECCENTRIC CONE TYPE FLARING TOOL

ST-806A



- **★**ALUMINUM ALLOY CLAMP LIMIT PLATE
- **★FORGED HIGH STRENGTH ALUMINIUM ALLOY YOKE**
- **★** SUPER TACTILITY, PRECISE FLARING, LIGHTWEIGHT



Item No.			Description
	ST-806A	For inch:1/4",5/16",3/8",1/2"	,5/8",3/4"
	ST-806M	For metric:6mm,9mm,10mm	,12mm,16mm,19mm
	ST-806FT-L	ST-806+ST-532+ST-207	For inch and metric:1/4",5/16",3/8",1/2",5/8",3/4" & 6,9,10,12,16,19mm

ST-809AM

- **★METRIC & INCH 2 IN 1**
- **★SUPPORT 9MM PIPE FLARE**
- **★**HIGH-STRENGTH ALUMINUM ALLOY, LIGHTWEIGHT, SUPER DURABLE

	Item No.	Description
NOTE	ST-809AM	Metric & Inch 2 in 1:6mm,1/4",9mm, 3/8",10mm,12mm,1/2",5/8"(16mm) & 3/4"(19mm)







FLARING TOOL

ST-519FT











Multi-size flaring clamps

Eccentric flaring cone

Can be uesd with electric drill More efficient and less labor

Item No.	Description	
ST-519FT	1/4", 3/8", 1/2", 5/8"(16mm), 3/4"(19mm)	
Optional Flaring Clamps: 5/16"(8mm), 6mm, 9mm, 10mm, 12mm		





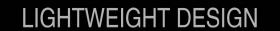
FLARING & SWAGING TOOL

ST-275A-L











HIGH EFFICIENCY



DURABLE

FLARING & SWAGING TOOL

ST-275A-L









Multi sizes expander head

Accurate flaring

Accurate expanding

Item No.	Description
OT 0754 I	Flaring :1/4",5/16",3/8",1/2",5/8",3/4"
ST-275A-L	Swage : 3/16",1/4",5/16",3/8",1/2",5/8",3/4"



RATCHET ECCENTRIC CONE TYPE FLARING TOOL



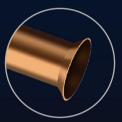
	Item No.	Description For inch:1/4",5/16",3/8",1/2",5/8",3/4" For metric:6mm,9mm,10mm,12mm,16mm,19mm	
	ST-R806A		
	ST-R806M		
ST-R806FT-L ST-R806+ST-532+ST-207 For inch and metric:1/4",5/16",3/8",1/2",5/		For inch and metric:1/4",5/16",3/8",1/2",5/8",3/4" & 6,9,10,12,16,19mm	

ELECTRIC CORDLESS FLARING TOOL

ST-E809AM-L



- **★METRIC & INCH 2 IN 1**
- **★SUPPORT 9MM PIPE FLARE**
- **★CORDLESS FLARE MAKE**WORK EASIER







Item No.	Description	
ST-E809AM-L	Metric & Inch 2 in 1:6mm,1/4",9mm,3/8",10mm,12mm,1/2", 5/8"(16mm) & 3/4"(19mm)	





LITHIUM FLARING TOOL

ST-E900

PATENTED



LITHIUM FLARING TOOL



Technical Parameter

Item No.	ST-E900A	ST-E900AM
Power	11.1V Lithium battery	
Applicable Tube Copper tube		er tube
Tube Diameter	1/4",3/8",1/2",5/8",3/4",	6mm,1/4",9mm,3/8",12mm, 1/2",5/8"(16mm),3/4"(19mm)
Dimension	243x101x102 mm	
Weight	3.5 kgs	3.9 kgs





LITHIUM FLARING TOOL



- LITHIUM DRIVE
- HIGH EFFICIENCY
- LONG LIFE BATTERY

LITHIUM FLARING TOOL

ST-E800A



Flaring clamps

EASY FLARING CONVENIENT AND FAST

Item No.	ST-E800A	
Power	11.1V Lithium battery	
Applicable Tube	Copper tube	
Tube Diameter	1/4", 3/8", 1/2", 5/8"(16mm), 3/4"(19mm) Optional flaring clamps: 6mm, 8mm(5/16"), 10mm, 12mm	
Dimension	245x114x102 mm	
Weight	3.5 kgs	



LITHIUM TUBE EXPANDER

ST-E300



Item No.	Description	
ST-E300A	ST-E300A+ST-532 For inch: 3/8",1/2",5/8",3/4",7/8",1",1-1/8"	
ST-E300M	ST-E300M+ST-532	For metric: 10,12,16,19,22,25,28mm
ST-E300AL	ST-E300A+ST-650	For inch: 3/8",1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8", 1-1/2",1-5/8"
ST-E300ML	ST-E300M+ST-650	For metric: 10,12,16,19,22,25,28,32,35,38,42mm

LITHIUM TUBE EXPANDER







HYDRAULIC TUBE EXPANDER

ST-300





LIGHTWEIGHT FORGED ALUMINUM EASY TO CARRY

	Item No.	Description		
	ST-300A	ST-300A+ST-532	For inch: 3/8",1/2",5/8",3/4",7/8",1",1–1/8"O.D.Tubing	
	ST-300M	ST-300M+ST-532	For metric: 10,12,16,19,22,25,28mm O.D.Tubing	
	ST-300AL	ST-300A+ST-650	For inch: 3/8",1/2",5/8",3/4",7/8",1",1-1/8",1-1/4", 1-3/8",1-1/2",1-5/8"O.D.Tubing	
	ST-300ML	ST-300M+ST-650	For metric: 10,12,16,19,22,25,28,32,35,38,42mm O.D.Tubing	



LIGHTWEIGHT FORGED ALUMINUM EASY TO CARRY

Item No.	Description	
ST-100A	ST-100A+ST-532 For inch: 3/8",1/2",5/8",3/4",7/8",1",1-1/8"O.D.Tubing	
ST-100M	ST-100M+ST-532	For metric:10,12,16,19,22,25,28mm O.D.Tubing





ELECTRIC SWAGING PINS





Item No.	Description	Item No.	Description
ST-E900S-04	Use for 1/4" O.D.Tubing	ST-E900S-10	Use for 5/8" O.D.Tubing
ST-E900S-06	Use for 3/8" O.D.Tubing	ST-E900S-12	Use for 3/4" O.D.Tubing
ST-E900S-08	Use for 1/2" O.D.Tubing	ST-E900S-14	Use for 7/8" O.D.Tubing



ELECTRIC FLARING PINS



Item No.	Description	Item No.	Description
ST-E900F-04	Use for 1/4" O.D.Tubing	ST-E900F-10	Use for 5/8" O.D.Tubing
ST-E900F-06	Use for 3/8" O.D.Tubing	ST-E900F-12	Use for 3/4" O.D.Tubing
ST-E900F-08	Use for 1/2" O.D.Tubing		

HYDRAULIC TUBE BENDER

ST-Y999



FORGED ALUMINUM ALLOY, LIGHTWEIGHT

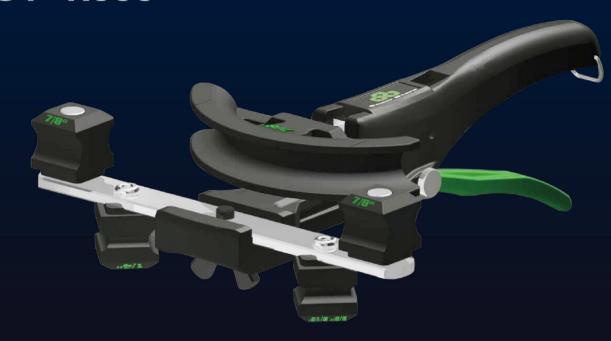
Item No.	Description	
ST-Y999	1/4"(6mm),5/16"(8mm),3/8"(10mm),1/2"(12mm), 5/8"(16mm),3/4"(19mm),7/8"(22mm)	In blow-mold carrying case Aluminum wheel





90° PIPE BENDER SET

ST-R999



REVERSE BENDING



EASY OPERATION PERFECT BENDING

Item No.	Description	
ST-R999+ST-207	For inch:1/4",5/16",3/8",1/2",5/8",3/4",7/8" For metric:6,8,10,12,16,19,22mm	In blow-mold carrying case Aluminum wheel



ST-612A For 1/4",3/8" & 1/2" O.D.Tubing ST-612M For 6mm,10mm & 12mm O.D.Tubing

- ★Aluminum alloy body
- ★Open size-slips on tubing at any point,can bend 0.4mm thin tube without distortion.
- ★Calibrated markings for making accurate left-hand, right-hand, and offset bends 180° start requires less effort.



ST-N368-180°

For 1/4",5/16" & 3/8" O.D.Tubing



ROLLER TYPE TUBE BENDER









Bender wheel

Fixing hook locate the tube

ST-N364-06

HIGH-STRENGTH ALUMINUM ALLOY, LIGHTWEIGHT

Item No.	Description
ST-N364A-06	use for 3/8" O.D.Tubing
ST-N364M-06	use for 10mm O.D.Tubing
ST-N364A-08	use for 1/2" O.D.Tubing
ST-N364M-08	use for 12mm O.D.Tubing
ST-N364-10	use for 5/8" & 16mm O.D.Tubing
ST-N364-12	use for 3/4" & 19mm O.D.Tubing
ST-N364-14	use for 7/8" & 22mm O.D.Tubing

RATCHET TORQUE WRENCH



- **★** Narrow space effortless operation
- ★ Fixed value torque design,Sound warning when torque is in place
- ★ Suitalbe new refrigerant R410A/R22
- ★ Suitalbe refrigerant copper horn head

Serial NO	Diameter	Applicable copper pipe	Torsion	Length	Weight
1	17mm	1/4"	18N.M(± 2N.M)	217mm	335g
2	22mm	3/8"	38N.M(± 4N.M)	252mm	395g
3	24mm	1/2"	55N.M(± 6N.M)	263mm	440g
4	26mm	1/2"	55N.M(± 6N.M)	263mm	440g
5	27mm	5/8"	75N.M(± 7N.M)	294mm	475g
6	29mm	5/8"	75N.M(± 7N.M)	294mm	475g



REPAIR PLIER



EASILY REPAIR

FLATTENED PIPES.

TUBE STRAIGHTENING TOOL

ST-302

PATENTED

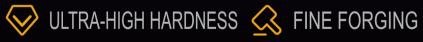


Item No.	Item No. Description		Description
ST-302-3/16"	Use for 3/16" O.D.Tubing	ST-302-6	Use for 6mm O.D.Tubing
ST-302-1/4"	Use for 1/4" O.D.Tubing	ST-302-8	Use for 8mm O.D.Tubing
ST-302-3/8"	Use for 3 /8" O.D.Tubing	ST-302-10	Use for 10mm O.D.Tubing
ST-302-1/2"	Use for 1/2" O.D.Tubing	ST-302-12	Use for 12mm O.D.Tubing
ST-302-5/8"	Use for 5/8" O.D.Tubing	ST-302-16	Use for 16mm O.D.Tubing

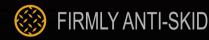
PINCH OFF PLIER (STRONG TYPE)















Item No.	Description	Scope Of Application	Length	Weight
ST-201B	10寸	3-10mm(1/8"-3/8")	228mm	0.5kg















WIRELESS CHARGING SCALE

ST-RF100



ACCURACY CHARGING

High Strength Aluminum Wireless Control Technology High-reliability Weighing Sensor Large Screen Controller Alloy Weighing Plate Range of weight 125kg Accuracy 0.05% of reading Easy to read data Not affected by control line Easy to carry More accurate load-bearing Backlight use for night Resolution ± 5g

TECHNICAL PARAMETER

Weight Range	100KG
Resolution	5G、0.01LB、0.16OZ
Presicion	± 0.05%
Power Supply	Scale Power: $1.5V \times 6$ (AA) Controller Power: $1.5V \times 5$ (AAA)
Battery Life	50 Hours Continuous Use
Operate Temperature	–10 ~ 45℃
Net Weight	4.13kgs
Platform Size	314*239*61mm



VACUUM METER ST-VG90

- ★ THE VACUUM WAS MEASURED AT 99999Pa~ 0.1Pa.
- ★ TARGET VACUUM ALARM FUNCTION.
- ★ ONE KEY FULL DEGREE CALIBRATION.
- ★ SYSTEM VACUUM LEAK DETECTION, IDENTIFY THE ADVANTAGES AND DISADVANTAGES OF VACUUM DEGREE.
- ★ PORTABLE DESIGN, BATTERY POWER SUPPLY, POWER DISPLAY, AUTOMATIC SHUTDOWN (NO OPERATION FOR 10 MINUTES), ETC.

TECHNICAL PARAMETER

Range	99999Pa~0.1Pa,740000~0.75Micron
Accuracy	0.1Pa∼1000Pa;Reading ± 5%(at20℃)
Resolution	0.1Pa(<10Pa);1Pa(<100Pa);10Pa(<1000Pa)
Unit	Pa,mBar,mmHg,mTorr,InHg,Microns
Battery Life	40 hours(3 × AA battery)
Maximum Overload Pressure	0.5MPa/72PSI
Operating Temperature	–5~50℃(–23~122˚F)
Buzzer Alarm	90db,shut down after 10 seconds





SINGLE METER

- **★COLLAPSIBLE HOOK**
- **★OPTIONAL GAUGES**
- ***ALUMINUM HAND WHEEL**
- **★MANUAL BALL VALVE DESIGN**
- **★ TEXTURE PROTECTOR&SUPER**SHOCK PROFF

SINGLE METER	
5 7 7 8	

Dimeter Of Gauge 68mm	Dimeter Of Gauge 80mm	Gauge Scale
ST-B168H	ST-B180H	R22、R404A
ST-B168L	ST-B180L	R410A、R407C

2-VALVE MANIFOLD GAUGE

- **★COLLAPSIBLE HOOK**
- **★OPTIONAL GAUGES**
- ***ALUMINUM HAND WHEEL**
- **★MANUAL BALL VALVE DESIGN**
- **★TEXTURE PROTECTOR & SUPER**SHOCK PROOF



Dimeter Of Gauge 68mm	Dimeter Of Gauge 80mm	Gauge Scale	Size Of Hose	Description
ST-B268	ST-B280	R22 R404A R410A R407C	60"(150cm)	3pcs red(1/4"SAE), yellow(1/4"SAE), & blue(1/4"SAE), charging hoses. Working pressure 800Psi Burst 4000Psi. A sight glass brass/aluminum body. Designed to meet 1/4" SAE.



DIGITAL SINGLE METER

- **★COLLAPSIBLE HOOK**
- **★MANUAL BALL VALVE DESIGN**
- **★TEXTURE PROTECTOR&SUPER**SHOCK PROOF
- **★BUILT-IN MORE THAN 90 KINDS**OF REFRIGERANT GAS



STAIGHTE STAIGHTE STAIGHTE	Item No.	Description		
	ST-B168DH	More than 90 refrigerants data including R22、R32、		
	ST-B168DL	R600、R1234yf、R410A、R134A etc in manifold.		

2-VALVE DIGITAL MANIFOLD GAUGES

- **★COLLAPSIBLE HOOK**
- **★ MANUAL BALL VALVE DESIGN**
- **★TEXTURE PROTECTOR&SUPER SHOCK PROOF**
- **★BUILT-IN MORE THAN 90 KINDS OF**REFRIGERANT GAS



	Item No.	Size Of Hose	Description	
1 1	ST-B268D	60"(150cm)	3pcs red(1/4"SAE),yellow(1/4"SAE),& blue(1/4"SAE), charging hoses.Working pressure 800PSI,Burst 4000PSI. A sight glass Aluminum testing manifold body. Designed to meet1/4" SAE requirement for refrigerant permutation.	
	More than 90 refrigerants data including R22、R32、R600、R1234yf、R410A、R134A etc in manifold.			