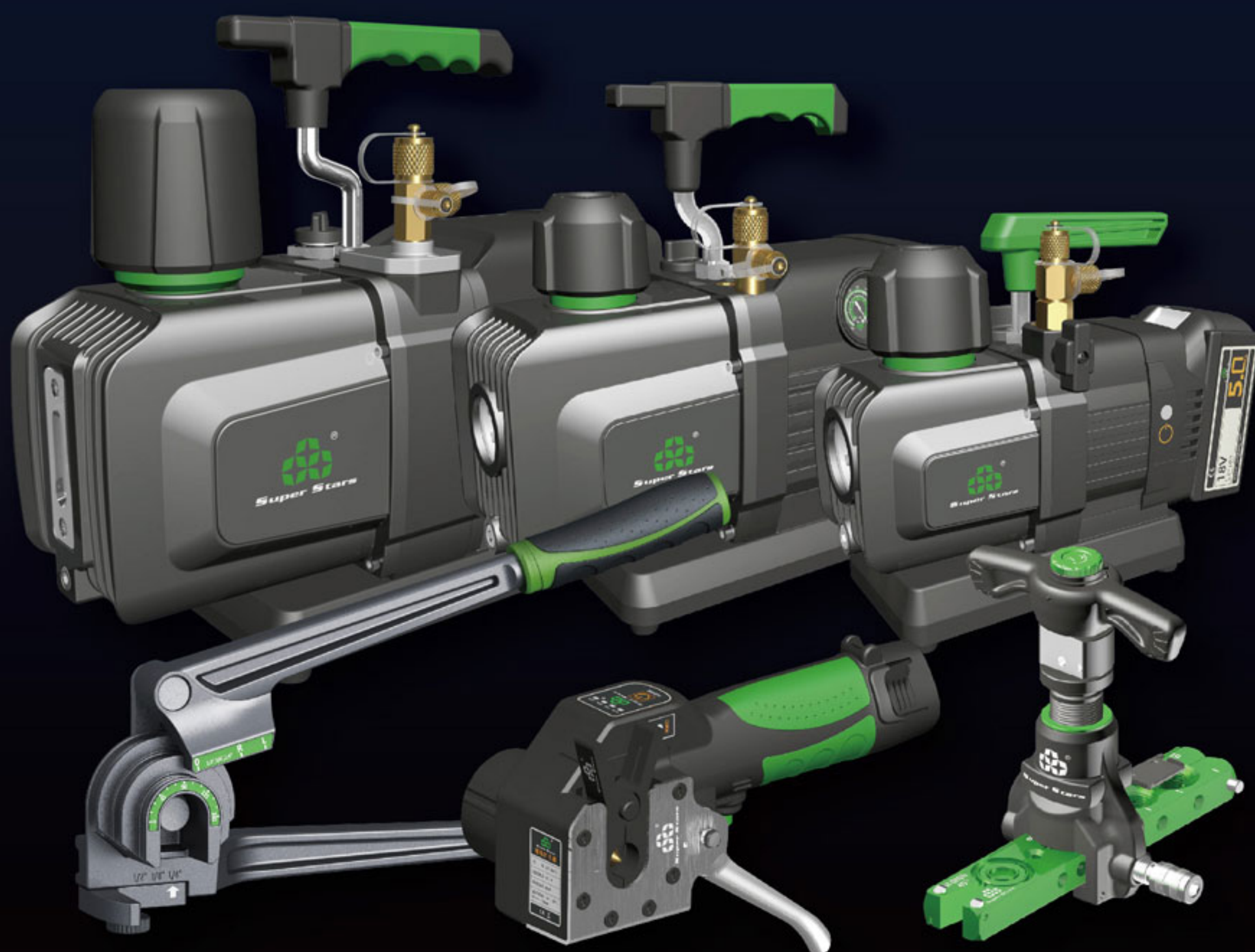




**2021** NEW



**MADE BY DSZH TOOL**  
**PREMIUM REFRIGERATION TOOL SERIES**





MADE BY DSZH TOOL

# LITHIUM VACUUM PUMP

## ST-2BMC

Use For

**R32**

**PATENTED**



## INTELLIGENT VACUUM PUMP

**Safety** explosion-proof and sparkless.

**Efficient** ultra-fast pumping speed.

**Intelligent** brushless and variable frequency.

**Portable** light weight, easy to carry and transport.

Item No.	ST-2BMC	ST-2SC
Flow Rate	2.5 CFM	2.5 CFM
	70 L/MIN	70 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	$2 \times 10^{-1}$ Pa	2 Pa
Inlet Port	1/4" flare	1/4" flare
Oil Capacity	240 ml	300 ml
Dimension	249.5x105x132.5mm	249.5x105x132.5mm
Weight	4 kgs	3.5 kgs



# LITHIUM VACUUM PUMP

## ST-4BMC

Use For

**R32**

**PATENTED**



## 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
	127 L/MIN	127 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	$2 \times 10^{-1}$ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	720 ml	890 ml
Dimension	363x128x170.5mm	363x128x170.5mm
Weight	6 kgs	5.4 kgs



# INTELLIGENT VACUUM PUMP

## ST-2BM

**PATENTED**

Use For

**R32**



## INTELLIGENT VACUUM PUMP

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

Item No.	ST-2BM	ST-2S
Flow Rate	2.5 CFM	2.5 CFM
	71 L/MIN	71 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	$2 \times 10^{-1}$ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	240 ml	300 ml
Dimension	215.5x105x132.5mm	215.5x105x132.5mm
Weight	3.5 kgs	3 kgs



# INTELLIGENT VACUUM PUMP

## ST-4BM

Use For

**R32**

**PATENTED**



## INTELLIGENT VACUUM PUMP

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

Item No.	ST-4BM	ST-4S
Flow Rate	4.5 CFM	4.5 CFM
	127 L/MIN	127 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/4 HP	1/4 HP
Ultimate Vac.	$2 \times 10^{-1}$ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	720 ml	890 ml
Dimension	290x128x170.5mm	290x128x170.5mm
Weight	5.3 kgs	4.7 kgs



# INTELLIGENT VACUUM PUMP

## ST-8BM

**PATENTED**

Use For  
**R32**



## INTELLIGENT VACUUM PUMP

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

Item No.	ST-8BM	ST-8S
Flow Rate	8.5 CFM	8.5 CFM
	241 L/MIN	241 L/MIN
Pole No.	Dual Stages	Single Stage
Power	1/3 HP	1/3 HP
Ultimate Vac.	$2 \times 10^{-1}$ Pa	2 Pa
Inlet Port	1/4" & 3/8" flare	1/4" & 3/8" flare
Oil Capacity	570 ml	600 ml
Dimension	352x136x312mm	352x136x312mm
Weight	11 kgs	10.5 kgs



# INTELLIGENT VACUUM PUMP

## ST-15BM

**PATENTED**

Use For

**R32**



## INTELLIGENT VACUUM PUMP

### Overall Double Steel Structure

Ultra-high tightness.  
Higher ultimate vacuum.

### Industrial-grade Design

Super durable.  
Ultra-high flow rate.

### Built-in intelligent control valve

Intelligent anti-reflux.  
Avoid oil contamination When the  
refrigeration system is shut down.

### Gas Ballast Valve

Accelerate the extraction of steam  
without contaminating the oil.

### Intelligent Motor

Powerful, easy to start in  $-1^{\circ}\text{C}$  environment.  
Brushless variable frequency motor, suitable for all  
kinds of refrigerants such as R32, R600 and so on.

Item No.	ST-15BM
Flow Rate	15 CFM
	25 m <sup>3</sup> /h
Pole No.	Dual Stages
Power	5x10 <sup>-1</sup> Pa
Ultimate Vac.	15 microns
Inlet Port	1/4", 5/16" & 3/8" flare
Oil Capacity	1000 ml
Dimension	364x176x310 mm
Weight	12.5 kgs



Use For  
**R32**

# DIGITAL DISPLAY REFRIGERANT RECOVERY MACHINE



## ST-520D

### LIGHT WEIGHT FAST RECOVERY

#### Brushless DC Motor

Safe, sparkless design  
Light weight, easy to carry

#### Digital Display

Easy and accurate reading of pressure values  
Backlight for night use

#### Built-in Pressure Sensor

Accurate measurement of pressure values  
Overpressure protection (38kg)

#### Double Cylinder Design

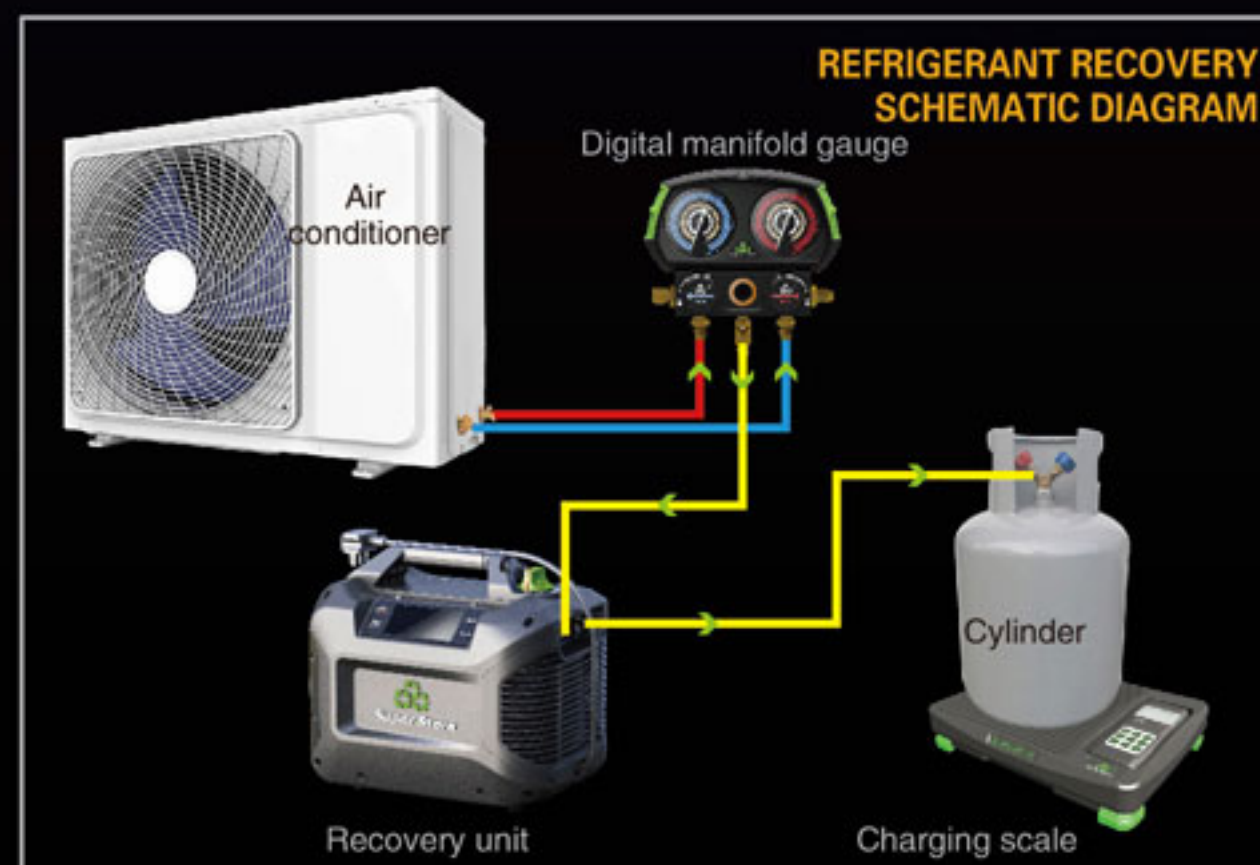
Quick recovery  
Compact structure

#### Oilless Compressor

Suitable for R32, R600 and all other refrigerants

#### Purge

Prevent mixing of different refrigerants



Item No.	ST-520D
Suitable refrigerant gas	III series: R12, R134a, R401C, R406A, R500, 1234YF IV series: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 V series: R402A, R404A, R407A, R407B, R410A, R507, R32
Cylinder quantity	2 cylinder
Power supply	220V-240V, 50/60Hz
Motor	750W(1HP)
Speed of revolution	2500 RPM
Electric current	220V:6A
Compressor	No oil lubricate, Forced air cooling, Piston type
High pressure protection	38.5bar / 3850kPa(558psi)
Operating temperature	0°C ~ 40°C / 32 ~ 104°F
Dimensions	375 × 250 × 320 mm
Net weight	10 kg



# ROLLER TYPE TUBE CUTTER

ST-532



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



Bender Spring Design

- ★ SMART SPRING DESIGN, FAST BLADE FEED IN
- ★ SHARP BLADE DESIGN, SMOOTH EDGE
- ★ BEARING ROLLER DESIGN, SMOOTH CUTTING

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



# **ECCENTRIC CONE TYPE FLARING TOOL ST-806A**

- ★ HIGH STRENGTH ALUMINUM ALLOY CLAMP
- ★ 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
	ST-809AM	Metric & Inch 2 in 1:6mm,1/4",9mm,3/8",10mm,12mm,1/2",5/8"(16mm) & 3/4"(19mm)





# RATCHET ECCENTRIC CONE TYPE FLARING TOOL

## ST-R806A



- ★ RATCHET (REMOVABLE HANDLE)
- ★ CAN BE USED WITH ELECTRIC DRILL
- ★ HIGH STRENGTH ALUMINUM ALLOY CLAMP
- ★ ALUMINUM ALLOY CLAMP LIMIT PLATE
- ★ FORGED HIGH STRENGTH ALUMINIUM ALLOY YOKE
- ★ SUPER TACTILITY, PRECISE FLARING, LIGHTWEIGHT

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



# ELECTRIC CORDLESS FLARING TOOL

## ST-E809AM-L

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



### PRECISE FLARE, EXQUISITE WORKMANSHIP, SUPER DURABLE

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)





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# LITHIUM FLARING TOOL

## ST-E900

PATENTED



STRONG POWER



ACCURATE FLARING



LONG LIFE BATTERY

13 PREMIUM REFRIGERATION TOOL SERIES



# LITHIUM FLARING TOOL

## ST-E900

**PATENTED**



### Technical Parameter

Item No.	ST-E900A	ST-E900AM
Power	11.1V Lithium battery	
Applicable Tube	Copper 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




# 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



# LEVER TUBE EXPANDER

## ST-100



**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

## ST-E900S



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 SWAGING PINS**  
**ST-E900S-4S**

Description:  
1/4"(6mm)、  
3/8"(9mm)、  
1/2"(12mm)、  
5/8"(16mm)

# ELECTRIC FLARING PINS

## ST-E900F



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		

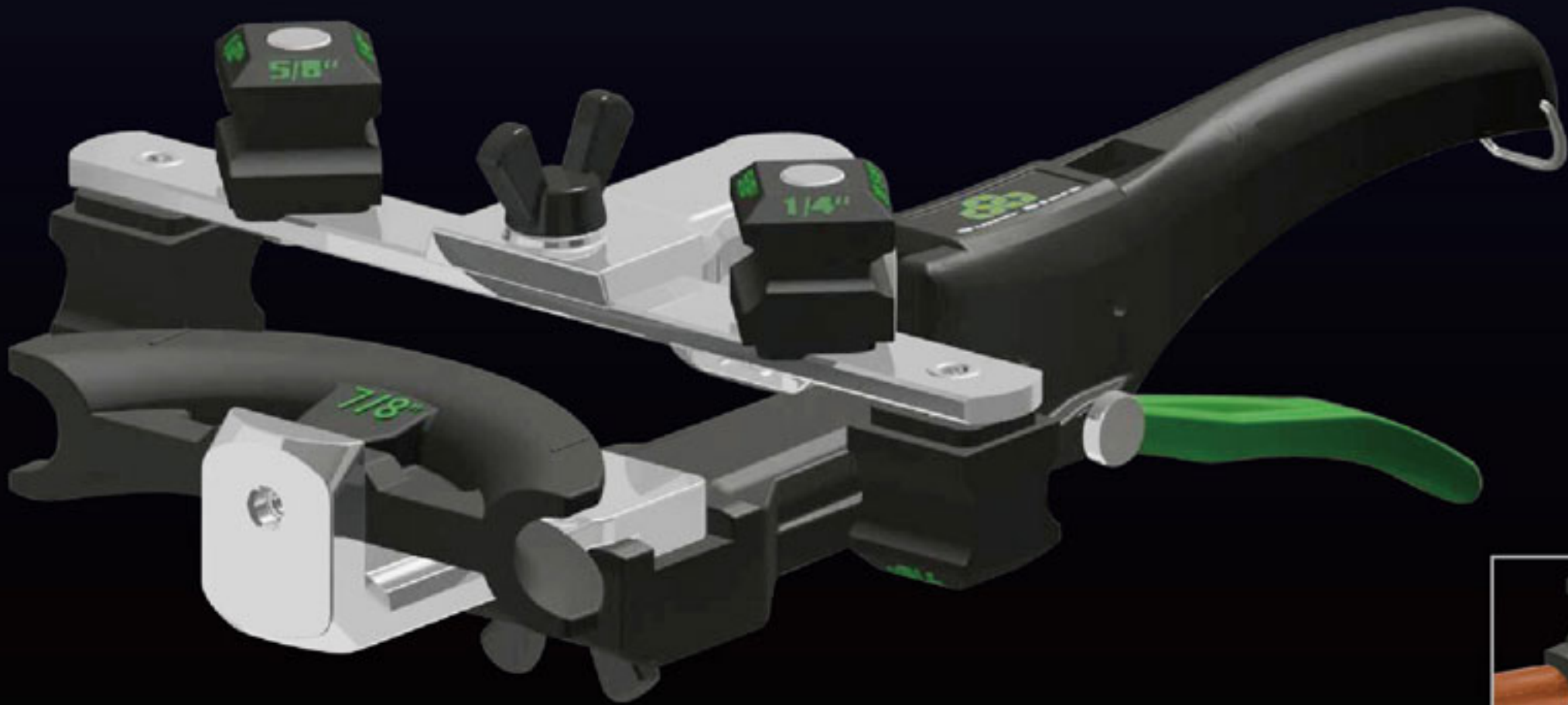


# 90° PIPE BENDER SET

ST-R999



## REVERSE BENDING



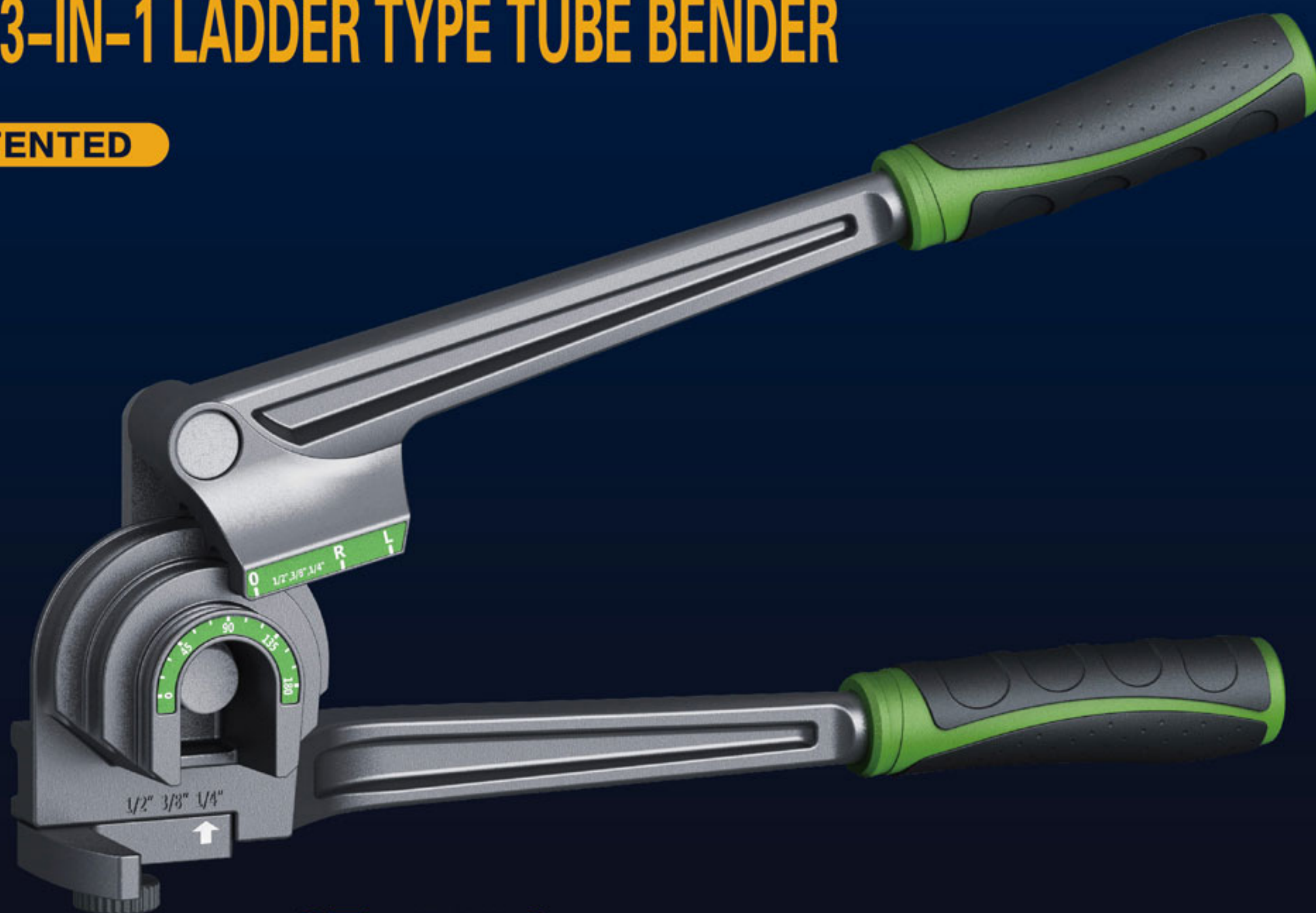
### EASY OPERATION PERFECT BENDING

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



# 180° 3-IN-1 LADDER TYPE TUBE BENDER

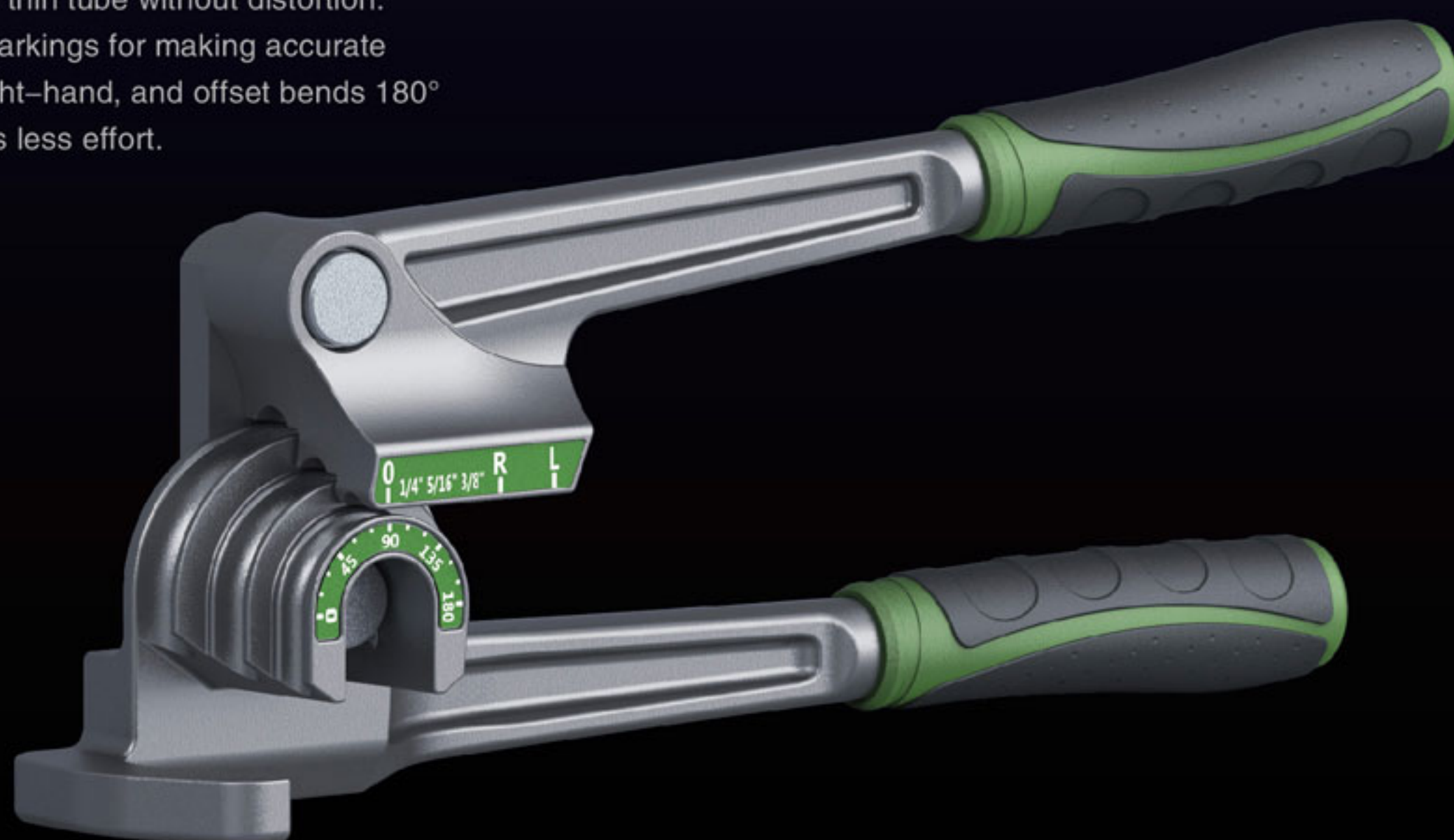
**PATENTED**



**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.



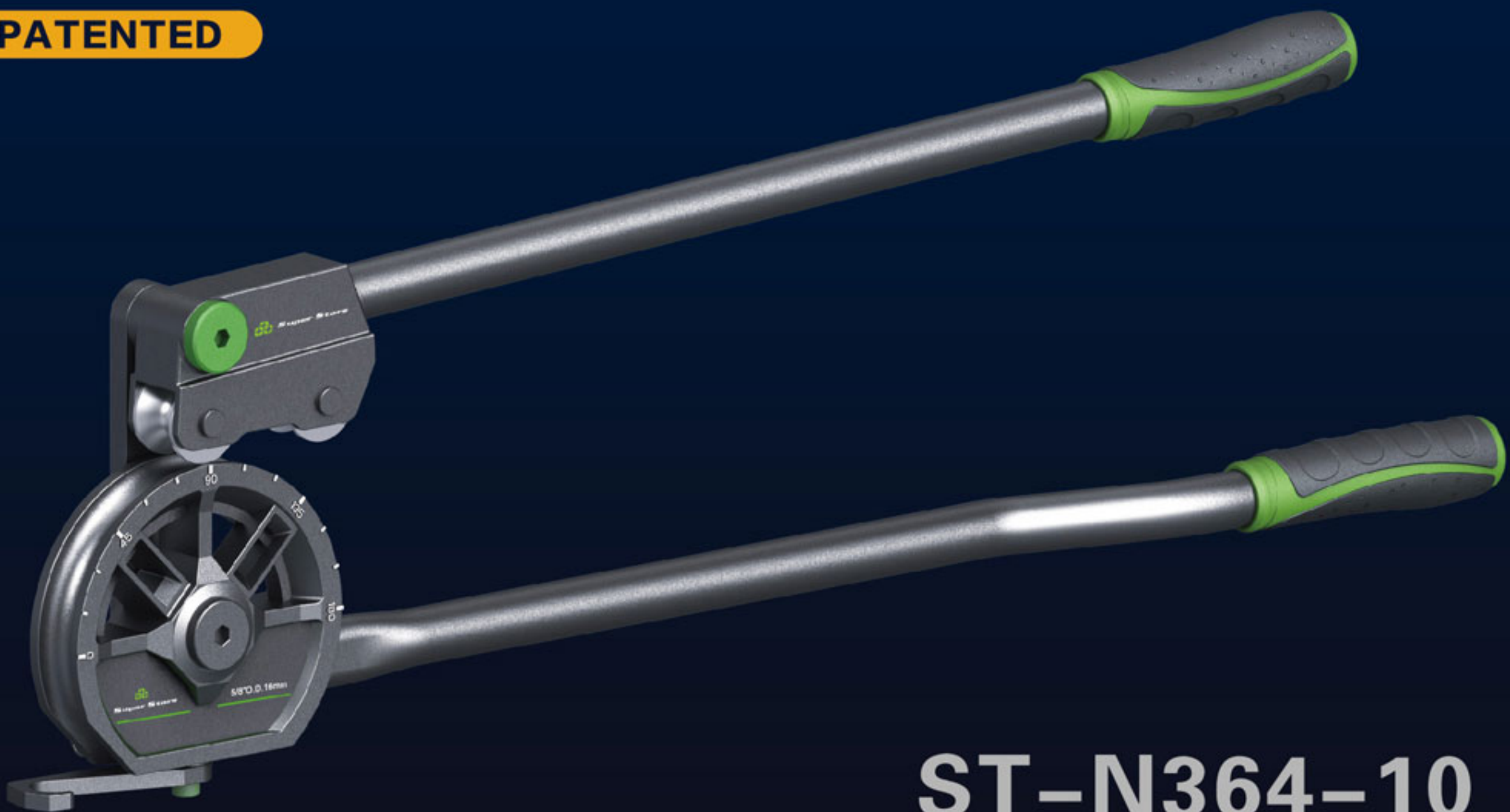
**ST-N368-180°**

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



# ROLLER TYPE TUBE BENDER

**PATENTED**



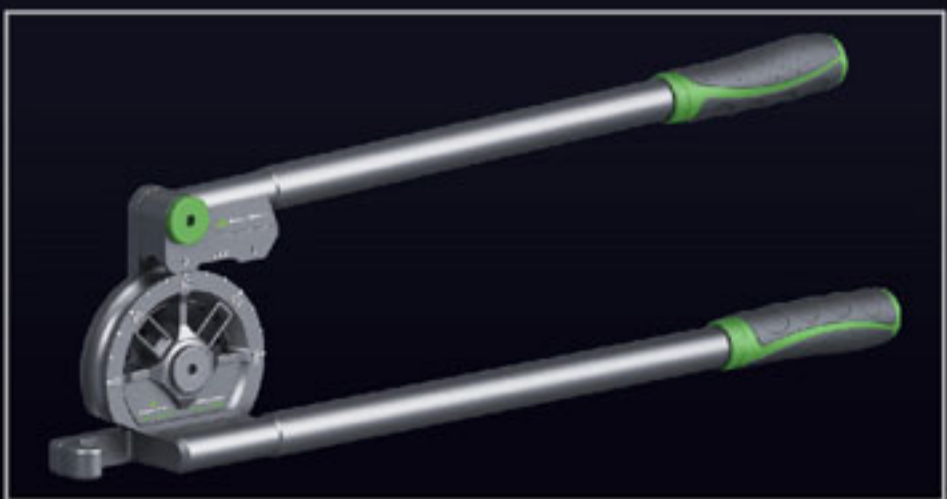
**ST-N364-10**



Fixing hook locate the tube



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-N364A-10	use for 5/8" & 16mm O.D.Tubing
ST-N364A-12	use for 3/4" & 19mm O.D.Tubing
ST-N364A-14	use for 7/8" & 22mm O.D.Tubing




# PINCH OFF PLIER (STRONG TYPE)

## ST-201B

10-INCH STRONG SEAL



Strong pipe sealing

 DURABLE

 ULTRA-HIGH HARDNESS

 FINE FORGING

 FIRMLY ANTI-SKID

 HIGH-QUALITY STEEL

 LARGE TORSION

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



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## TUBE EXPANDER

ST-622

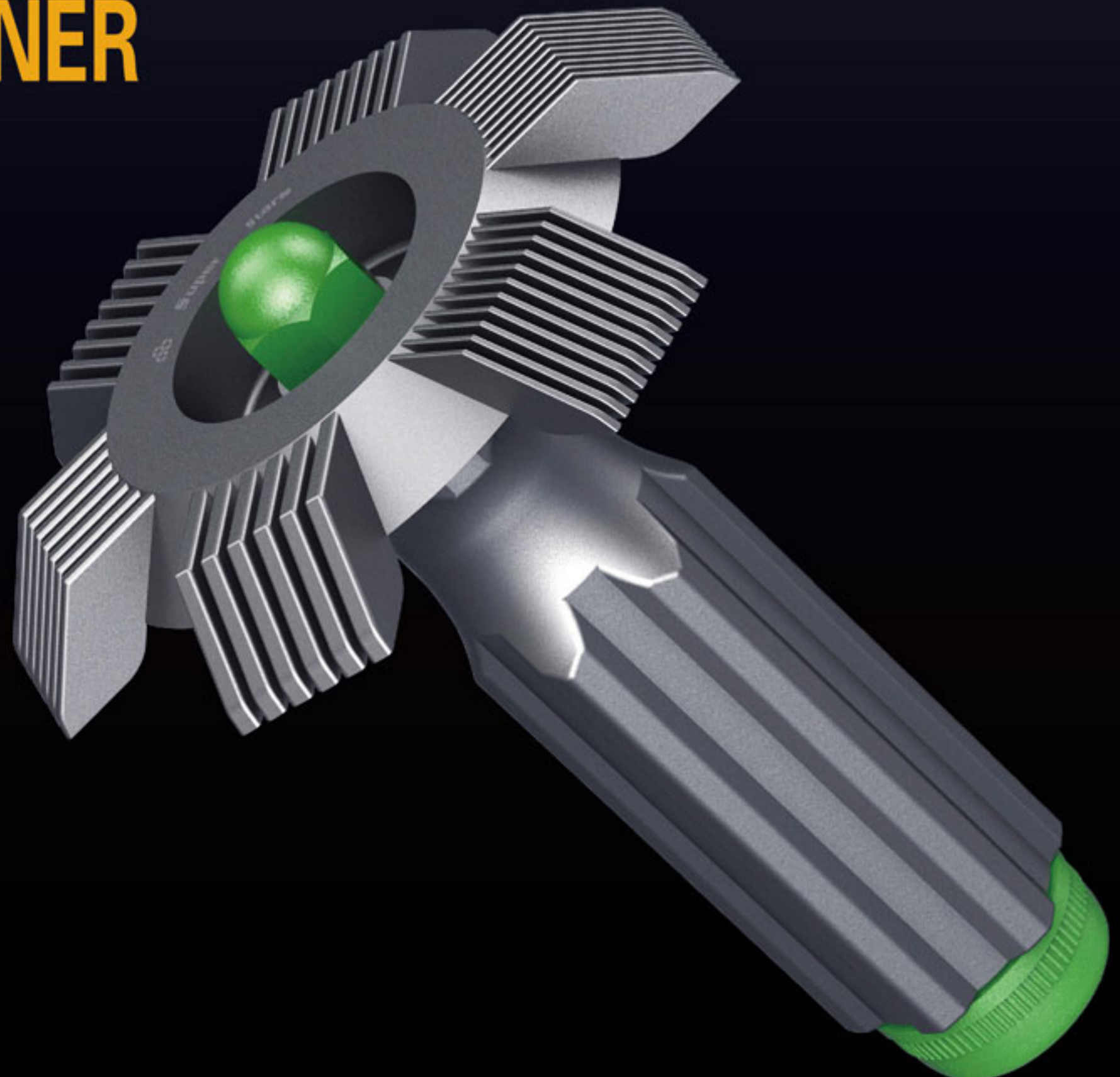
PATENTED

Use for: 6mm, 8mm, 9mm,  
10mm, 12mm, 16mm, 19mm,  
22mm, 1/4", 5/16", 3/8", 1/2",  
5/8", 3/4", 7/8" O.D. Tubing

## FIN STRAIGHTENER

ST-351

PATENTED



For 8, 9, 10, 12, 14, 15  
Spacings per inch.





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# DEBURRER

## ST-207

PATENTED

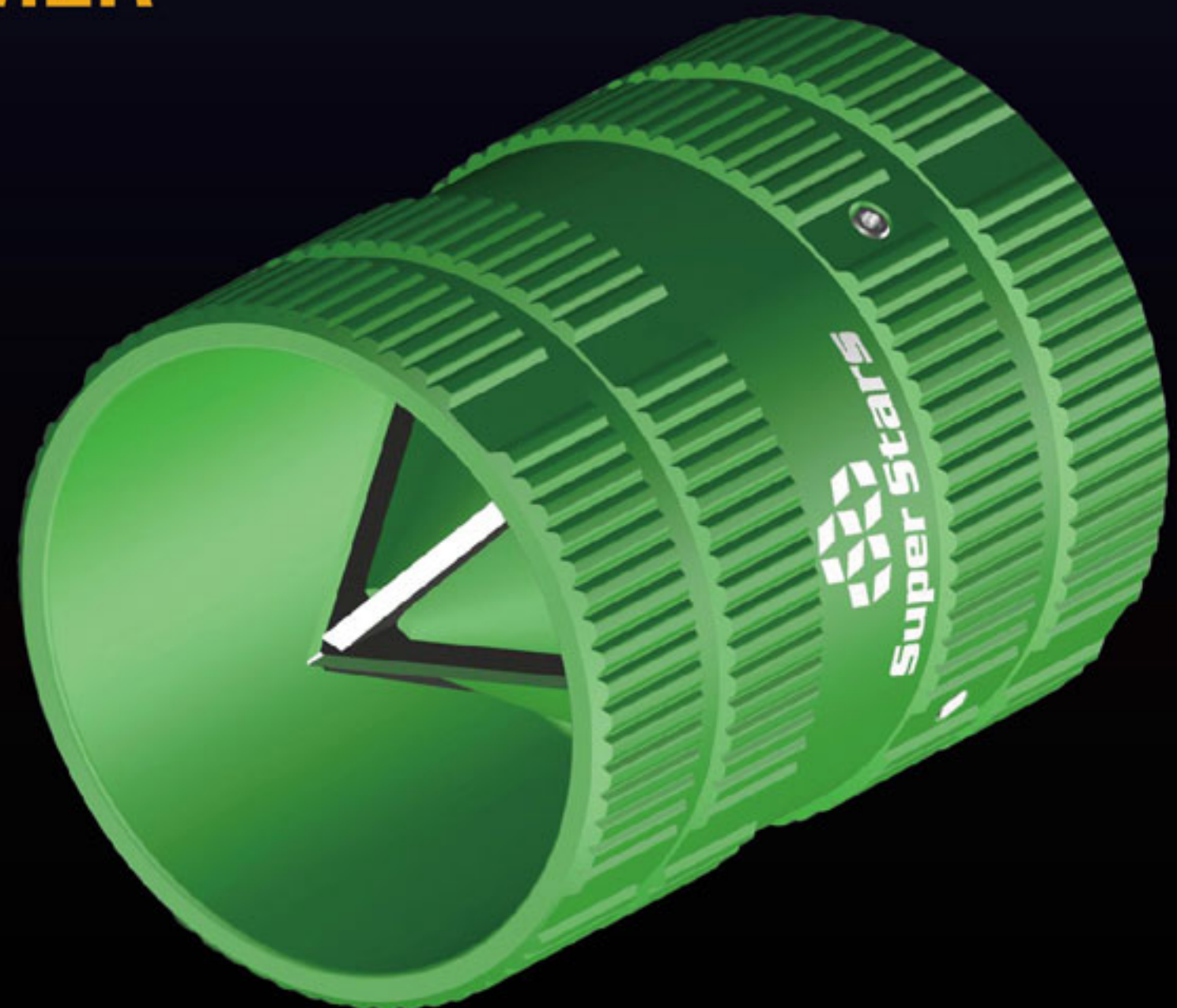


Handy deburrer, Blade  
can be swivelled.

# INNER-OUTER REAMER

## ST-209

PATENTED



Aluminum body

1/4" ~ 1-5/8" O.D. Tubing.

Easy to deburrer.





## 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 $\pm 5\%$ (at20°C)
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°C(-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

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

## 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

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

# 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	Desription
	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.		