



## HVAC Tools

*Your Global Partner for  
Efficient HVAC Construction*



## Why Choose Us?

### *Comprehensive Tool Solutions for the Entire HVAC Pipeline Workflow.*

We specialize in covering the full process of HVAC pipeline construction, with four core processes:

#### **Connection, Fixation, Shaping, and Processing:**

- **Connection Tools:** Crimping tools, axial press tools, and pipe expanding tools, compatible with aluminum-plastic pipes, stainless steel pipes, PE-X pipes, etc.
- **Fixation Tools:** Plastic clips and staple gun tacker series, featuring a patented inspection window to resolve on-site issues in 1 second.
- **Shaping Tools:** Pipe benders and straightener supporting 16mm–40mm pipe diameters, ensuring zero deformation.
- **Processing Tools:** Pipe cutters and pipe chamfer tools with integrated blade technology for clean, burr-free cuts, extending pipeline service life.

### *Intelligent Manufacturing – Double Guarantee of Precision & Efficiency*

- **Advanced Equipment Cluster:** Features 7-axis 5-linkage turning-milling composite machines that enable one-time clamping for precision processing of complex operations (turning, milling, drilling, boring, tapping, engraving) on critical components like cylinders, shortening the process chain and boosting efficiency.
- **Flexible Automated Production Line:** Achieves fully automated processing from feeding, machining, inspection, to unloading, ensuring production flexibility, minimizing human error, and adapting to diverse market demands.

## Core Competitiveness

### **Customized Service:**

Customized products aim to meet unique client needs, including branding, labeling, and packaging design.

### **Industry Experience:**

We serve for global markets with over 10 million tools delivered, participating in large-scale projects worldwide. "We understand tools and their application scenarios."

### **Service Excellence:**

Free Support: Tool selection guidance, construction plan optimization, and video training.

### **Lifetime Maintenance:**

Extended warranty for core components, with 48-hour resolution for quality issues.

### **Flexible Collaboration:**

OEM/ODM customization , from logo engraving to functional module adjustments.

# Collaborative Value

## By choosing us, you gain:

Construction Efficiency Revolution: High-precision tools reduce rework, shorten the construction period

## System Safety Assurance:

Sealing performance is validated by pressure testing,minimizing risk of water leakage.

## Cost Optimization:

It will extend tool lifespan and reduce maintenance expenses for lower total operational costs.

*Defining a New standard for HVAC Construction with Precision Craftsmanship!*



## CONTENTS

PIPE CRIMPING TOOL-----	01
-------------------------	----



PIPE SLIDING TIGHTENING TOOL-----	04
-----------------------------------	----



PIPE EXPANDER TOOL-----	06
-------------------------	----



PIPE BENDER AND STRAIGHTENER-----	07
-----------------------------------	----



STAPLE GUN TACKER-----	09
------------------------	----



PIPE CHAMFER TOOL-----	10
------------------------	----



PIPE CUTTER-----	11
------------------	----



OTHER PRODUCTS-----	12
---------------------	----

# PIPE CRIMPING TOOL



## HLTL1180

- Lightweight Mini Portable Charging Mechanical Crimping Tool
- Sealed screw rod structure prevents the entry of sand and dust, ensuring ultra-low failure rate and more worry-free use, thereby extending the product lifespan.
- Structural components are made of high-quality aerospace aluminum, ensuring product strength while reducing weight.
- 180° freely rotating crimping head, suitable for applications in confined spaces.
- Equipped with an automatic compression function; the tool stops immediately after compression is complete and resets when the start button is released.
- 18V high-performance lithium battery provides strong power and high crimping efficiency, with each crimping operation taking only 2 seconds.
- Ergonomically designed, the tool weighs only 2.4kg and has a balanced center of gravity, making it more suitable for overhead work.
- The OLED display shows remaining battery power, crimping count, and maintenance reminders.

Characteristic Types of tools	The service life of a single battery	Maintenance	Transmission mode
Mechanical type	5-600 Times	Not need	Insensitive transmission, constant force
Hydraulic type	2-300 Times	1 Year/time	Hydraulic transmission

## Specifications

Application specifications	Stainless steel tube: DN25mm (with a wall thickness of 1.0mm) DN35mm is compatible with universal card clamp and card ring	Input voltage	AC 100V-240V
		Battery charging time	approximately 40 minutes
	Thin-walled copper tube: DN35mm (wall thickness 1.5mm) Aluminum-plastic composite tube: DN40mm	Weight	2.4kgs (tool with battery)
		Product size	400*119*76mm
Rated output	19KN	Weight of tool kit (excluding card clamp)	4.9kg
Rated power	360W	18V 2.0Ah lithium battery (single)	0.3kg
Stroke	30mm	Charger	0.5kg
Single card pressing time	2-4s	Plastic case	1.7kg
Standard battery	18V2.0Ah lithium battery		

This tool includes two 2.0Ah lithium batteries, one charger, and one dedicated toolbox (compatible with calipers)



## HLTL1110

- Manual Crimping Tool
- The length of handles can be extended to 78cm which can save effort when working.
- The head can be rotated 360° so it is suitable for various complicated environment.
- The molds can be replaceable quickly, press the button then the molds can slide freely.
- Horizontal press: the pressure distribution around the steel sleeve is balanced with the parallel advance of the pressure die, then the crimping effect is better.

### Specifications

Application Size	Ø1/2", 3/4", 1" Ø12, 14, 16, 18, 20, 22, 25(26), 28, 32mm	Fitting Jaw Type	V / H / TH / M
Weight of Tool Kit	5.8kg	Product Size	610*330*240mm
Packaging	Plastic Box		



## HLTL1120

- Manual Crimping Tool
- The length of handles can be extended to 78cm which can save effort when working.
- Short and flat head, more suitable for use in various narrow spaces.
- Jaws can be replaced quickly, one tool can work on multiple sizes and types of pipes.

### Specifications

Application Size	Ø1/2", 3/4", 1" Ø12, 14, 16, 18, 20, 22, 25(26), 28, 32mm	Fitting Jaw Type	U / TH
Weight of Tool Kit	3.7kg	Product Size	510*300*350mm
Packaging	Plastic Box		



## HLTL1130

- Mini Crimping Tool
- The handle on one side is foldable.
- Mini&Light weight, easy to carry.
- High strength steel stamping is used to the handles which makes the tool more lighter.

## Specifications

Application Size	Ø12, 14, 16, 18, 20mm	Fitting Jaw Type	U / TH
Weight of Tool Kit	2.4kg	Product Size	440*300*200mm
Packaging	Plastic Box		



## HLTL1A00

- Integrated Dovetail Caliper
- It is precision-stamped using a continuous plate stamping process. The design philosophy of treating the continuous plate as a safety component ensures that one of the caliper blocks fractures due to fatigue before the caliper arm does
- The caliper arms are precision-forged from premium alloy steel and subjected to a specialized heat treatment process to achieve high strength and exceptional wear resistance at the jaw.

Application Size	TH: Ø16, 20, 25, 26, 32, 40, 50, 63mm U: Ø16, 20, 25, 32, 40, 50, 63, 75mm M: Ø12, 15, 18, 22, 28, 35mm V: Ø12, 15, 18, 22, 28mm H, SV, VAU, VUS: Customizable		
Packaging	Carton	Weight	Customizable
Packing Size	Customizable		



## JAW BASE: HLTL1B00 ROUND JAW: HLTL1BX0 Series

- Economic Caliper
- A set of calipers paired with interchangeable, Multi-size & spec-compliant jaws, offering high cost-effectiveness.
- Quick jaw replacement achieved with a simple pull-and-push action

Application Size	TH: Ø12, 14, 16, 18, 20, 25, 26, 32mm U: Ø14, 16, 18, 20, 25, 26, 32mm H: Ø12, 14, 16, 18, 20, 25, 26, 32mm		
Packaging	Carton	Weight	Customizable
Packing Size	Customizable		



# PIPE SLIDING TIGHTENING TOOL



## HLTL1060

- Electric Axial Press & Expand Tool
- Battery hydraulic drive, fast & convenient
- One button can be replaced quickly, one tool can work on multiple sizes
- Sliding jaws can be replaced quickly, one tool can work on multiple sizes
- Sliding jaws can multi-angle rotary crimping, suitable for various environments
- The sliding jaws can be released automatically when the work is done
- Manual retract button, double safety guarantee
- Equipped with an LED display, it can directly display the remaining charge and the number of operations
- Long maintenance interval: 10000 cycles or 1 year

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Standard Battery	18V*2.0Ah / 18V*4.0Ah / 18V*5.0Ah lithium battery
Pipe	<ul style="list-style-type: none"> <li>• S3.2 Series</li> <li>• Aluminium Pipes, S4 Series Pipes</li> <li>• Fittings or European Standard Square Teeth</li> <li>• Germany Rehau, TECE, Watts style pipes and fittings</li> </ul>	Input Voltage	AC 100V-240V
Rated Output	18KN	Weight	5kg
Stroke	39mm	Packaging	Plastic Box



## HLTL1030

- Ratchet small sliding tightening tool
- Easy to carry and suitable for one-handed operation
- The mechanical slide tightener is durable and easy to operate, and can be used in different working conditions
- It includes pipe cutter, pipe expander, and sliding tightening tool in one box, which can complete the whole pressing process

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Weight	7.5kg
Pipe	S5 series pipes	Packaging	Plastic box
Stroke	38mm	Packaging Size	515*205*370mm

# PIPE SLIDING TIGHTENING TOOL



## HLTL1050

- Hydraulic sliding tightening tool
- Hydraulic drive, save effort
- Bent handle 7-shaped, multi-angle rotary crimping, suitable for various environments
- It includes pipe cutter, pipe expander, and sliding tightening tool in one box, which can complete the whole pressing process
- 2-in-1 sliding jaw, reduce the frequency of changing jaws, increase work efficiency

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Weight	7.5kg
Pipe	<ul style="list-style-type: none"> <li>• S3.2 series</li> <li>• Aluminium pipes, S4 series pipes and fittings</li> <li>• European standard square teeth Germany Rehau, TECE, Watts style pipes and fittings</li> </ul>	Packaging	Plastic box
		Packaging Size	515*205*370mm
Rated Output	22KN	Stroke	38mm



## HLTL1010

- Manual sliding tightening tool
- Mechanical ratchet push-to-slide connection, suitable for various harsh working environments
- Can be crimped longitudinally at multiple angles, suitable for use in different working conditions
- Jaws made of alloy steel after precision casting, makes tools durable
- It includes pipe cutter, pipe expander, and sliding tightening tool in one box, which can complete the whole pressing process
- 2-in-1 sliding jaw, reduce the frequency of changing jaws, increase work efficiency

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Weight	8kg
Pipe	<ul style="list-style-type: none"> <li>• S3.2 series</li> <li>• Aluminium pipes, S4 series pipes and fittings</li> <li>• European standard square teeth Germany Rehau, TECE, Watts style pipes and fittings</li> </ul>	Packaging	Plastic box
Stroke	40mm	Packaging Size	515*205*307mm



# PIPE EXPANDER TOOL



## HLTL1260

- Battery Expander Tool(Quick & Easy Connection for PEX-a Pipe)
- Battery drive, fast & convenient
- One button can control entire tool, easy to operate
- The expanding head can rotate automatically when expanding, not need to rotate the pipe can also ensure the uniform expansion
- Expand heads can be replaced quickly,one tool can work on multiple sizes
- Light weight,operate by one hand

## Specifications

Application Specifications	European Standard: Ø16*1.8 / 2.0 / 2.2mm Ø20*1.9 / 2.0 / 2.8mm Ø25*2.3 / 3.5mm Ø32*2.9mm American Standard: Ø1/2", 3/4", 1"	Standard battery	18V*2.5Ah 18V*4.0Ah 18V*5.0Ah Lithium battery
		Weight	2kg
Input voltage	AC 110V-240V	Packaging	Plastic box



## HLTL1210

- Manual Expander Tool with Rotating Heads for PEX-a Pipe
- The expanding head can rotate automatically when expanding, not need to rotate the pipe can also ensure the uniform expansion
- This design effectively protects the wall and reduces the risk of leakage
- The handles made of high strength aluminum alloy with precision forging, light weight and durable

## Specifications

Application Specifications	European Standard: Ø16*1.8 / 2.0 / 2.2mm Ø20*1.9 / 2.0 / 2.8mm Ø25*2.3 / 3.5mm Ø32*2.9mm American Standard: Ø1/2", 3/4", 1"	Standard battery	18V*2.5Ah 18V*4.0Ah 18V*5.0Ah Lithium battery
		Weight	2kg
Input voltage	AC 110V-240V	Packaging	Plastic box



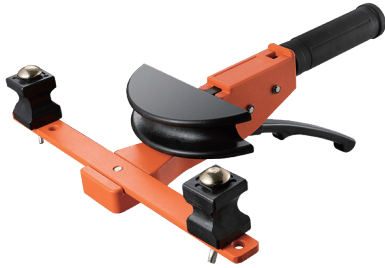
## HLTL1230

- 5-in-1 Manual Expander Tool
- 5-in-1 expander tool, it's convenient to use
- Light weight, easy to carry

## Specifications

Application Specifications	Ø12, 16, 20, 25, 32mm	Pipe	S5 Series
Packaging	Plastic box	Weight	0.5kg

# PIPE BENDER AND STRAIGHTENER



## HLTL3010

- Pipe Bender
- Used for PEX-AL-PEX pipes and copper-plastic pipes
- The angle can be bent to more than 90 degrees. Also it can keep the pipe's wall without damage and the shape of pipe no change during bending
- Die casting aluminum alloy main body and nylon module, make the tool high strength, no fracture and light weight, easy to carry

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Packing size	420*370*325mm
Packaging	Plastic box	Weight	3.4kg

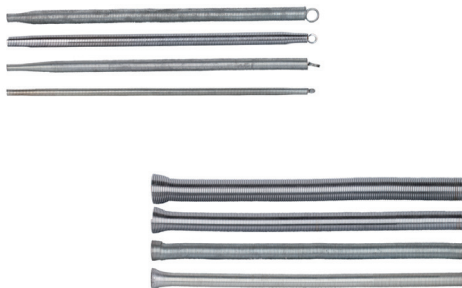


## HLTL3020

- Pipe Bender
- Used for copper pipes and thin-wall stainless steel pipe
- Die casting aluminum alloy main body and nylon module, make the tool high strength, no fracture and light weight, easy to carry

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Packing size	420*370*325mm
Packaging	Plastic box	Weight	3.4kg



## HLTL3000

- Inner spring/Outer spring for bending the pipe
- Special for the PEX-AL-PEX pipe
- The extended spring design is 900mm, the bent pipe is not easy to deform, and continuous multi-elbow operation can be achieved

## Specifications

Application Specifications	Ø16, 20, 25, 32mm
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## HLTL3110

- 5-Rollers Pipes Straightener
- Used for straightening PEX-AL-PEX pipes and the shape of pipes won't be changed after straightening
- It's made of aluminum alloy, beautiful and durable
- Optional Accessory:
- Sucher: Fixed tool in one position, making the work more labor-saving
- Anti-Rust Wheel: When working in a humid environment, there will be no rust for a long time, which will prolong the service life

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Packing Size	235*175*65mm
Packaging	Carton	Weight	4.4kg



## HLTL3120


- 8-Rollers Pipes Straightener
- 8 rollers in a line, which makes the pipe more straight
- Used for straightening PEX-AL-PEX pipes and the shape of pipes won't be changed after the straightening
- It's made of aluminum alloy, beautiful and durable
- Optional Accessory:
- Sucher: Fixed tool in one position, making the work more labor-saving
- Anti-Rust Wheel: When working in a humid environment, there will be no rust for a long time, which can prolong the service life

## Specifications

Application Specifications	Ø16, 20, 25, 32mm	Packing Size	360*330*245mm
Packaging	Carton	Weight	5.2kg


# STAPLE GUN TACKER





### HLTL4110

- Metal Staple Gun Tacker for Underfloor Heating Pipe
- Help installers work in an upright position, reducing physical strain while speeding up installation
- The window-opening design allows easy adjustment and access to the positions of the Plastic Tacker Pipe Clips



### HLTL4120


- Plastic Staple Gun Tacker for Underfloor Heating Pipe
- Help installers work in an upright position, reducing physical strain while speeding up installation
- Made of plastic and aluminum alloy, light weight and durable

## Specifications

<b>Application Specifications</b>	European standard Ø16, 20mm (Length:4cm & 6cm)	<b>Packaging Size</b>	770*380*100mm
<b>Packaging</b>	Carton	<b>Weight</b>	3.3kg

## Specifications

<b>Application Specifications</b>	European standard Ø16, 20mm (Length:4cm-6cm)	<b>Packaging Size</b>	770*380*100mm
<b>Packaging</b>	Carton	<b>Weight</b>	2.3kg



### HLTL4A00

- Plastic Clips for Underfloor Heating Pipe
- Burr-free
- Good toughness
- Can easily impale the XPS board without puncturing the pipe



### HLTL4000

- Decoiler  
Iron material, powder coating on the surface
- The width and height of the bracket can be adjusted through three adjustment holes
- Double-bearing design ensures stable rotation, high load capacity, and superior stability

## Specifications

<b>Application Specifications</b>	European standard Ø16, 20mm (Length:4cm and 6cm)	<b>Packaging Size</b>	
<b>Packaging</b>	Carton	<b>Weight</b>	1.2/1.6g

## Specifications

<b>Scope of adaptation</b>	Heating pipe collection and release	<b>Packaging Size</b>	800*210*200mm
<b>Packaging</b>	Carton	<b>Weight</b>	11.7kg

# PIPE CHAMFER TOOL



## HLTL2160

- Internal and external full circle chamfering tool
- Suitable for trimming PEX-AL-PEX pipes and pure plastic pipes, Manual/Electric dual-mode design improves productivity
- The anti-drop cover carefully protects the blade from being damaged
- The stainless steel multi-blade takes into account the full circle internal and external chamfering and deburring

### Specifications

Application Specifications	European standard or national standard: Ø16, 20mm	Packing Size	200*100mm
Packaging	Blister box	Weight	288g



## HLTL2100

- 4-IN-1 Internal Pipe Chamfer Tool
- 4-in-1 tool, it's convenient
- Made of steel, heat treatment, durable
- After chamfering, the inner of the pipe becomes smooth without burrs, then inserting the fitting into the pipe will not damage the O-ring

### Specifications

Application Specifications	Ø16, 20, 25(26), 32mm (other sizes can be customized)	Packing Size	200*100mm
Packaging	Plastic Box	Weight	252g



## HLTL2110

- 4-IN-1 Internal Pipe Chamfer Tool with Rotatable Handle
- The handle can rotate automatically
- 4-in-1 tool, convenient
- Made of steel, heat treatment, durable
- After chamfering, the inner of the pipe becomes smooth without burrs, then inserting the fitting into the pipe will not damage the O-ring

### Specifications

Application Specifications	Ø16, 20, 25(26), 32mm (other sizes can be customized)	Packing Size	200*100mm
Packaging	Plastic Box	Weight	351g



## HLTL2120

- Big Size Internal Pipe Chamfer Tool
- Made of steel, heat treatment, durable
- After chamfering, the inner of the pipe becomes smooth without burrs, then inserting the fitting into the pipe will not damage the O-ring

### Specifications

Application Specifications	Ø40, 50, 63mm	Packing Size	200*100mm
Packaging	Plastic Box	Weight	351g



## HLTL2130


- 3-IN-1 Internal Pipe Chamfer Tool
- It's made of plastic, light weight
- It can be used for both internal and external of pipe


### Specifications


Application Specifications	Ø10-12-16mm    Ø16-18-20mm    Ø16-25-32mm Ø16-20-32mm    Ø16-20-25/26mm    Ø20-25-32mm	Packing Size	
Packaging	Carton	Weight	100g


# PIPE CUTTER





	<b>HLTL2200</b>	
	<b>Product Name</b>	Plastic Pipe Cutter
	<b>Application Size</b>	Ø16~25mm
	<b>Handle's Materials</b>	Plastic
	<b>Pipe</b>	PEX / PVC / PPR


	<b>HLTL2250</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX


	<b>HLTL2210</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX


	<b>HLTL2260</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX

	<b>HLTL2220</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX

	<b>HLTL2270</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~64mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX


	<b>HLTL2230</b>	
	<b>Product Name</b>	Plastic Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX

	<b>HLTL2280</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø3~42mm (1/8"~1 3/4")
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	Copper Pipe / Plastic Pipe SS Pipe / Al Pipe / Bellows Iron pipe / Galvanized pipe

	<b>HLTL2240</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~32mm
	<b>Handle's Materials</b>	Aluminum Alloy
	<b>Pipe</b>	PEX / PVC / PPR / PEX-AL-PEX


	<b>HLTL2290</b>	
	<b>Product Name</b>	Pipe Cutter
	<b>Application Size</b>	Ø16~25mm
	<b>Handle's Materials</b>	Plastic
	<b>Pipe</b>	Copper Pipe / Plastic Pipe SS Pipe / Al Pipe / Bellows



	<p><b>HLTL5100</b></p> <ul style="list-style-type: none"> <li>• Pipe Caliper Gauge</li> <li>• It's used to verify that the pipe installation meets the requirements</li> <li>• Insert it into the joint of the corresponding-sized pipe connection. Successful engagement indicates proper installation; otherwise, it fails the test</li> </ul>
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## Specifications

<b>Application Size</b>	Ø16, 20, 25, 32mm	<b>Packaging</b>	Carton
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	<p><b>HLTL5000</b></p> <ul style="list-style-type: none"> <li>• Hydraulic Test Pump</li> <li>• It's used to check the quality of the installation</li> <li>• Apply pressure to check if the connected pipe is leaking"</li> </ul>
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*Precision Tools Empowering HVAC Excellence*

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