



WEIJING®

Wedge Breaker



SUZHOU WEIJING AUTOMATION CO., LTD

# WEIJING >>

WEIJING AUTOMATION, established in 2008, is a foundry machine manufacturer dedicating to provide professional machines, services and solutions with premium quality and competitive price for global foundries.

WEIJING has two premises. One is in Suzhou, another is in Jining. Total area is up to 9000 SQM.

WEIJING foundry machines covers degating wedge, runner cutter/breaker, degating hammer, CNC grinding machine, Auto tilting pouring machine and Auto molten metal transferring machine.

By Jan 1st. 2026, WEIJING already provided 1244 wedge breakers, 66 runner cutters, 241 degating hammers, 505 grinding machines, 91 pouring machines and 29 transporting machines to worldwide foundries, which already cover up to 31 countries.

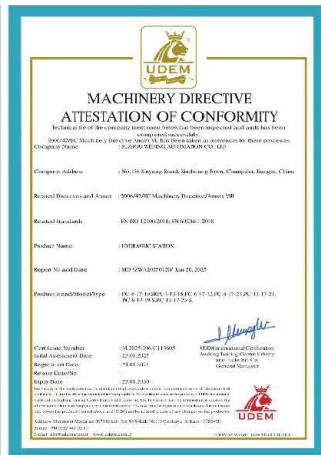
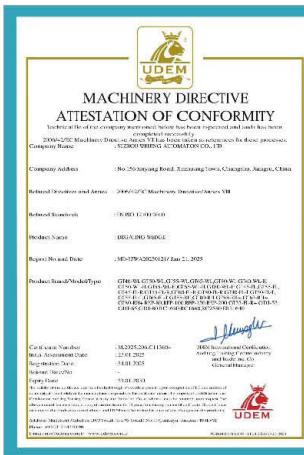
Positive action, honest communicating, transparent collaboration, is WEIJING Conduct Code.

WEIJING people firmly believe from the heart THE MATCHED IS THE BEST.

## Patents >>



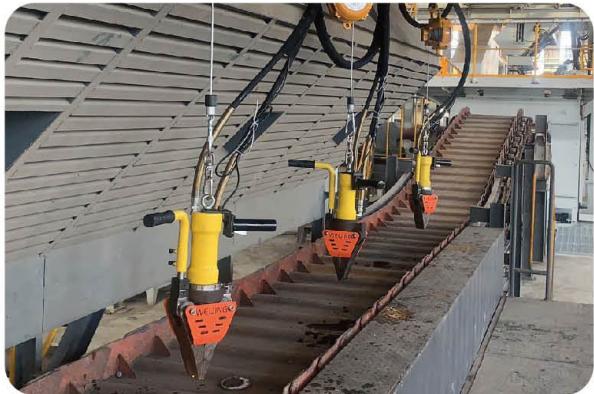
## Certificates >>



Suzhou premises



Jining premises



Vertical Wedge



Horizontal Wedge



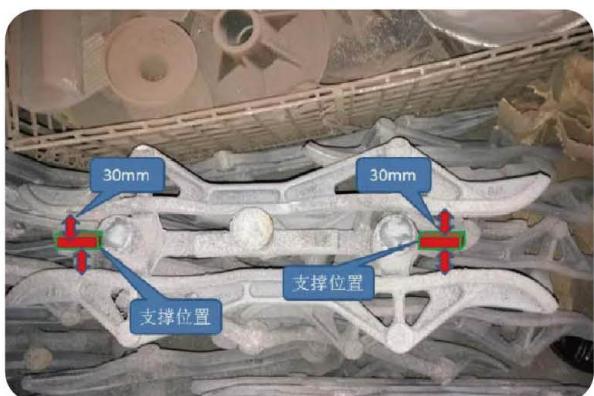
Runner Cutter



Sleeve Breaker

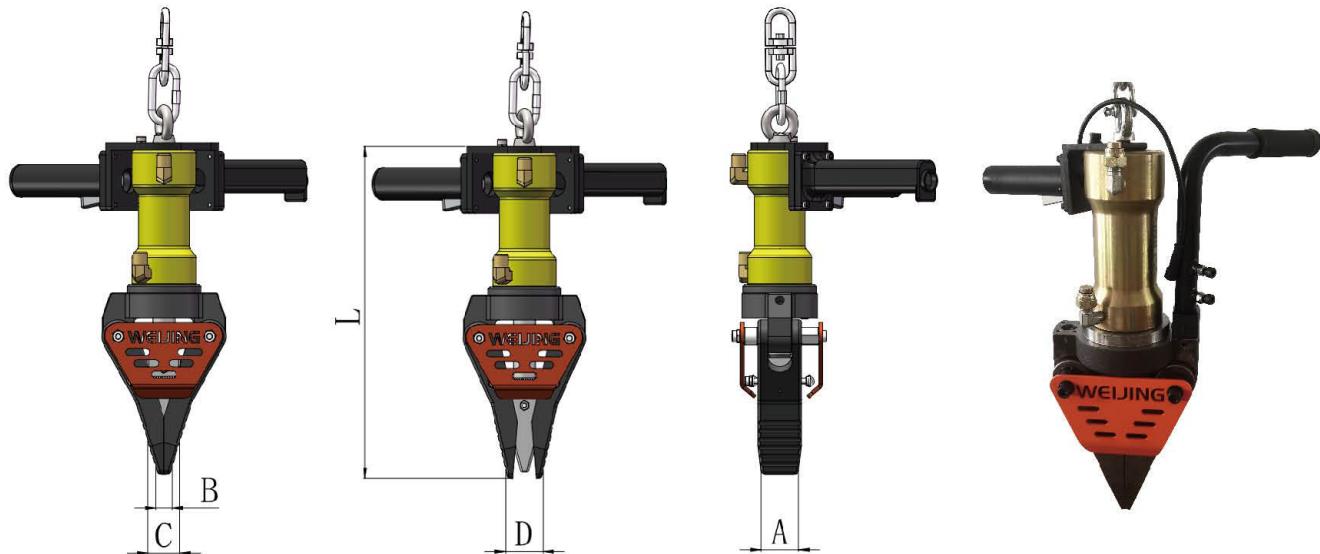


Hydraulic Station



Supporting Points

**WEIJING GT-WL type wedge is born for degating castings at Waist Level.**



Models of WL Type	Force (T)	Section Area (mm*mm)	Weight (KG)	Wedge Dimensions: mm				
				L	A	B	C	D
9T-WL	9T	15*15	13	380	50	14	48	34/40
16T-WL	16T	35*40	27	495	75	21	71	53/65
30T-WL	30T	55*60	30	499	75	21	71	52/63
50T-WL	50T	60*65	43	584	75	21	71	59/62

### Features & values:

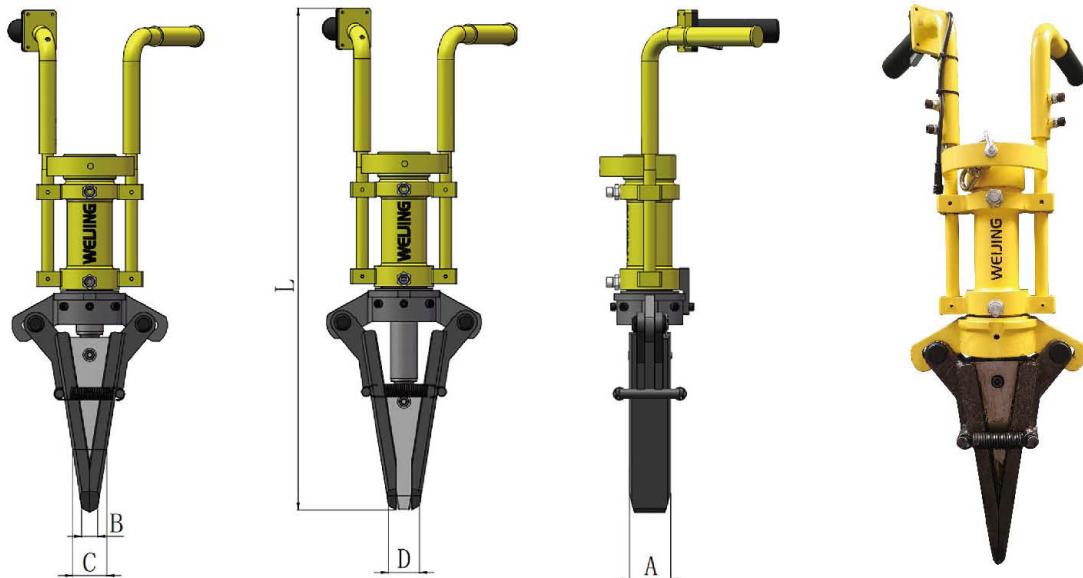
- No central "tongue" protruding enables vertical operating more perfect.
- Wider side blades ensure each breaking more stable and long lifetime.
- Short operating handles make waist height operating more flexible.
- Double-sealing inside guarantee you no leakage.

Notes: If your minimal insertion space is smaller than standard, we can customize the side blades for you.

Please check with WEIJING. Thanks



**WEIJING GT-FL type wedge is designed to degate casting at Foot Level.**



Models of FL Type	Force (T)	Section Area (mm*mm)	Weight (KG)	Wedge Dimensions: mm				
				L	A	B	C	D
9T-FL-T	9T	15*15	15	700	50	14	48	34/40
12T-FL	12T	20*30	29	830	69	18	52	43
16T-FL	16T	35*40	32	840	69	28	62	52
16T-FL-T	16T	35*40	32	788	75	21	71	53/65
25T-FL-T	25T	55*60	35	801	75	21	71	52/63

### Features & values:

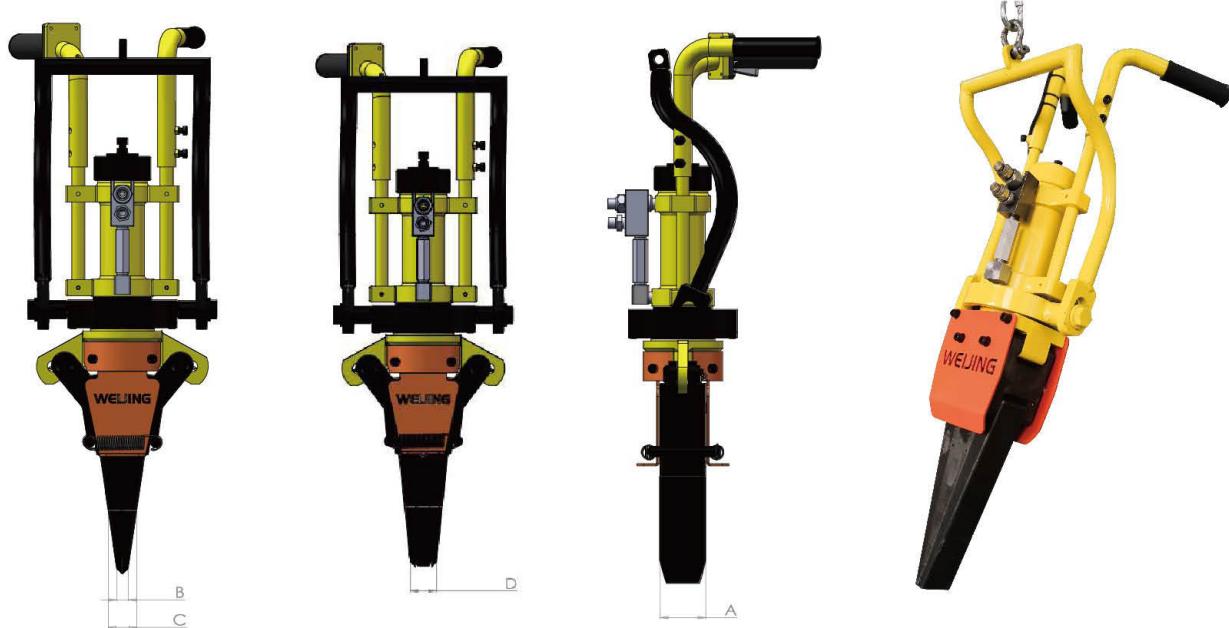
- No central "tongue" protruding enables vertical operating more perfect.
- Anti-skid & wide side blades ensure each breaking more stable and long lifetime.
- Long operating handles can protect operator's back better.
- Double-sealing inside guarantee you no leakage.

- Notes: GT-FL-T is designed to degate stacked parts on the ground.

If your minimal insertion space is smaller than standard, we can customize the side blades for you.

Please check with WEIJING. Thanks

**GT-FL-R type wedge is for horizontal & vertical operation at Foot Level.**



Models of FLR Type	Force (T)	Section Area (mm*mm)	Weight (KG)	Wedge Dimensions: mm				
				L	A	B	C	D
GT45-FL-R	12T	20*30	34	828	69	18	52	44
GT55-FL-R	16T	35*40	37	819	69	28	62	50
GT60-FL-R	20T	55*55	54	883	60	21	75	42
GT80-FL-R	35T	60*65	59	883	60	21	75	42

### Features & values:

- No central "tongue" protruding during the breaking enables vertical operating more perfect.
- Unique rotatable suspension frame makes vertical or horizontal operation flexibly.
- Anti-skid & wide side blades ensure each breaking more stable and long lifetime.
- Long handles can protect operator's back better for foot height operation.
- Double-sealing inside guarantee you no leakage.

Notes: If your minimal insertion space is smaller than standard, we can customize the side blades for you.

Please check with WEIJING. Thanks



**GT-RH+ type wedge is for horizontal operation at waist height or foot level  
No matter no central "tongue" protruding or with central "tongue" protruding**



Models of FLT Type	Force (T)	Section Area (mm*mm)	Weight (KG)	Wedge Dimensions: mm				
				L	A	B	C	D
GT55-RH+	16T	35*40	39	729	50	21	64	41
GT63-RH+	20T	50*55	25	513	50	19	60	39
GT80-RH+	35T	60*65	38	751	40	14	66	34

### Features & values:

- Different operating handles designed from proven practical frontline experience.  
No central "tongue" protruding or central wedge protruding both are available.
  - Double-sealing inside guarantee you no leakage.
- Notes: please tell WEIJING your degating height and which one central "tongue" protruding you prefer when you inquiry.  
**If your minimal insertion space is smaller than standard, we can customize the side blades for you.**  
**Please check with WEIJING. Thanks**

**Runner Cutter is born for shearing runners more easily and high efficiently**



Type	Force (T)	Maximal runner size (Ø)	Circle time	Weight (KG)	Cutter dimensions	Remarks
RC1650	16T	Ø40	12/min	55	725*378*390	For straight bars
RC1660	16T	Ø40	12/min	55	735*378*390	For curved bars
RC2580	25T	Ø60	8/min	66	767*683*428	

### Features & values:

- Quite easy to shear runners into small pieces before throwing back to the furnace for saving more energy and protecting our planet better.
  - Different operating handles designed from proven practical frontline experience.
  - Double-sealing inside guarantee you no leakage.
- Notes: please tell WEIJING your cutting height when you inquiry.

**Sleeve Breaker is born for breaking exothermic sleeves super easily**



Type	Force (T)	Max. neck size (mm)	Max. riser diameter (mm)	Weight (KG)	Remarks
ERB1640	16T	40	80	31	

#### Features & values:

- Double sealing inside guarantee you no leakage.
- Two hands operation ensure you absolute safety.
- Customized sleeve holes promise you perfect experience.

**Right cooling system ensures you 7\*24 hours running.  
Automatic hibernating saves power for you and protects our planet better.**



Model	FL	RH	FL-R	WL
Voltage V	380V 50/60z	380V 50/60z	380V 50/60z	380V 50/60z
Output Power KW	7.5	11	7.5	11
Low-pressure Flow L/Min	19	23	19	23
Low Pressure Mpa	18	18	18	18
Boost Pressure Mpa	45	45	45	45
Oil Tank Capacity L	190	190	190	190
Effective Tank Capacity L	150	150	150	150
Hydraulic Oil	ISO(VG46)	ISO(VG46)	ISO(VG46)	ISO(VG46)
Oil Temperature	10–60°	10–60°	10–60°	10–60°
Cooling Way Air Cooling S Water Cooling			S	S
Weight KG	310	350	325	365
Dimensions (L*W*H) mm	1110*615*1205	1110*615*1205	1110*745*1205	1110*745*1205

### Standard functions:

- cycle counting, oil level indication, air cooling

### Unique features:

- two working pressure models:  
low pressure for central "tongue" moving high efficiency, high pressure for breaking objects gently.
- two pressure models can switch automatically according to presetting.
- best balance between high degating efficiency and long lifetime of inner sealings.

### Outstanding durability:

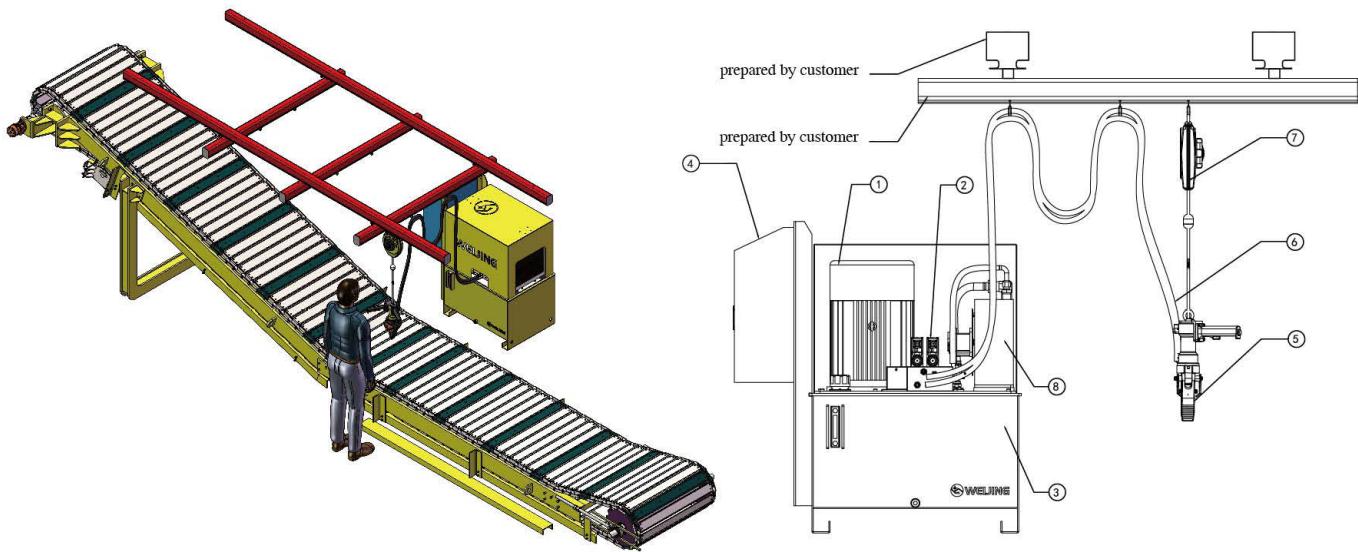
- International famous brand internal gear pump guarantees you outstanding durability and super long lifetime.
- 3 million cycle time guaranteed for low pressure pump, 8 million cycle time guaranteed for booster pump,  
20 million cycle times guaranteed for solid-state relays inside.
- Solid-state relays inside ensure no any sparks in dust environment for absolute safety.
- two cooling options available ensure you 7\*24 hours running.

### Protecting our planet:

- Automatic hibernating saves electric power for foundries and protect our planet better.



## Layout And Key Part Description

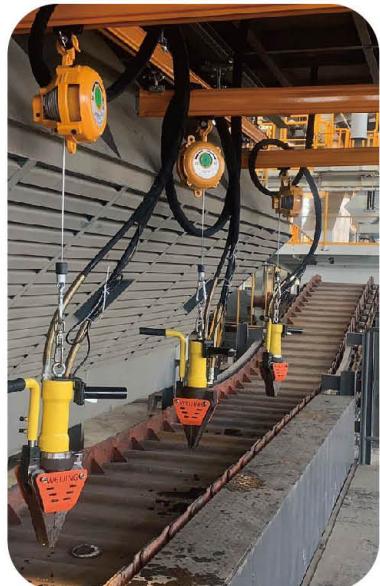
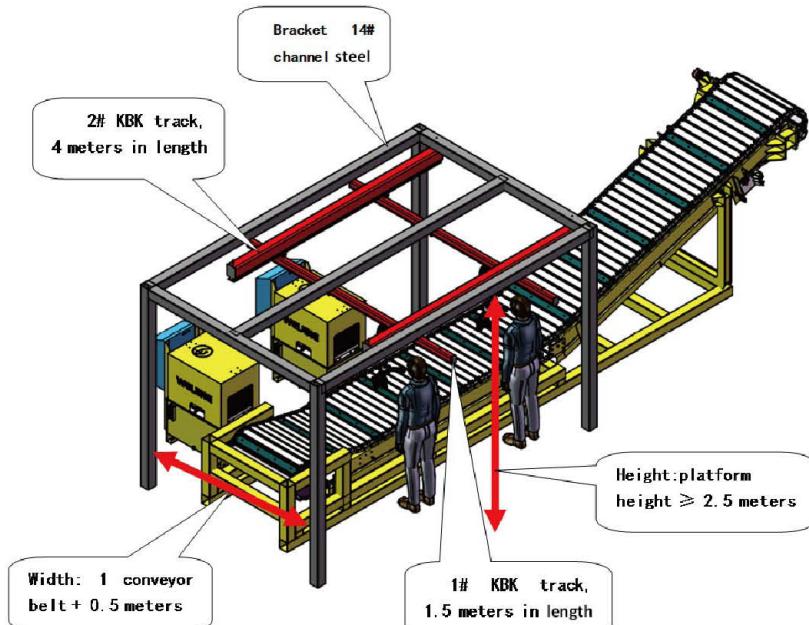


No	Description	Qity
1	Motor and Pump	1
2	Valve block	1
3	Oil Tank	1
4	Control System	1
5	Wedge	1
6	Oil Hose	2
7	Balancer	1
8	Cooling system	1

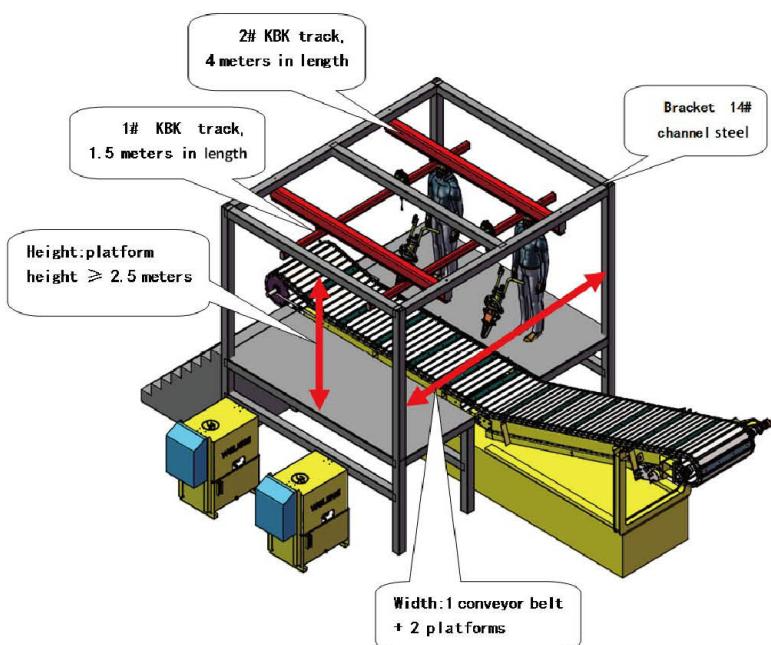
■ Notes: The layout is just for reference. WEIJING will offer you the right proposal according to your site situation.

## Installation way

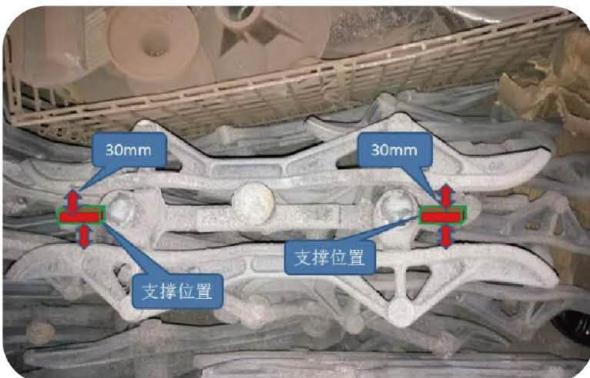
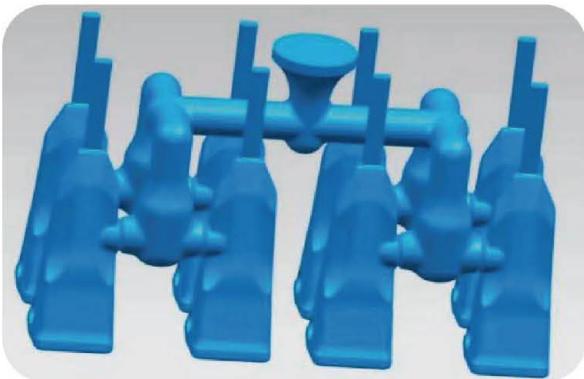
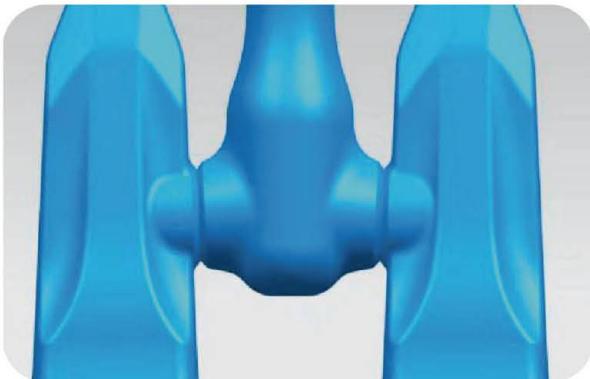
### WL Type Wedge Breaker Installation



### FL Type Wedge Breaker Installation



### Riser/Runner Design Suggestion



### Reasons and benefits:

- Should keep the room for wedge to insert, and should have two supporting points for two side blades to break the risers.
- The area of supporting points should be bigger than neck size of risers for avoiding casting damaging.



## Reference

Foundry Name	Location
Fujiwa Machinery Industry (Hubei) Co., Ltd.	China
Hubei Dongbei Foundry Co., Ltd.	China
Jiangsu Hengli High Pressure Hydraulic Cylinder Co., Ltd.	China
Jiangsu Hengli Hydraulic Co., Ltd.	China
Lumeng (Rizhao) Instrument Technology Co., Ltd.	China
Luoyang Gucheng Machinery Co., Ltd.	China
Shaanxi Huaxing Foundry Co., Ltd.	China
Shandong Huarifeng Machinery Co., Ltd.	China
Shandong Huiyu Precision Machinery Co., Ltd.	China
Shandong Lide Braking Technology Co., Ltd.	China
Shandong Longma Heavy Industry Precision Casting Co., Ltd.	China
Shandong Zhujin Engineering Testing Co., Ltd.	China
Shanxi Longcheng Magang Co.	China
Shanxi Longcheng Malleable Iron Co., Ltd.	China
Suzhou Central Forgeable Machinery Co., Ltd.	China
Yongsheng Heavy Industry Co., Ltd.	China
World Known Mfg. Co., Ltd	Taiwan,China
SARL EURO MOTEUR	Algeria
Fundiciones San Justo SA	Argentina
Azertexnolayn LLC	Azerbaijan
FUNDICAO REGALI BRASIL LTDA	Brazil
ZMM STOMANA JSC	Bulgaria
Himcast	India
PLXF	Malaysia
GUSS-EX Sp.zo.o.	Poland
ELMASH LLC	Russia
DAEHAN METAL MFG.CO.,LTD	South Korea
KAYDOSAN CO.	Türkiye
Vanguard Foundry	UK
Poltava Quartz Glass Plant LTD	Ukraine
Star Pipe USA	USA
Lioho Automotive Parts Co., Ltd	Vietnam

By Jan 1st, 2026, WEIJING Wedge Breaker have covered 16 countries, including Europe and America

# WEIJING DEGATING WEDGE, YOUR WISE CHOICE



## Suzhou Weijing Automation Co., Ltd

Address: Building 9th, No.156, Xinyang Avenue, Chuangjin  
Industrial Park, Changshu, Suzhou, China

Tel: +86 0512- 5153 7059

Fax: +86 0512- 5153 7059

Mobile: +86 153 0612 4775

E-mail: [roc.hang@weijingsz.com](mailto:roc.hang@weijingsz.com)

Website: [www.weijingsz.com](http://www.weijingsz.com)



WhatsApp



LINE



WeChat