



HLQ INDUCTION EQUIPMENT CO.,LTD



HLQ PRODUCT CATALOGUE

Induction Heating Power Supplies
Induction Billet Heating Furnace
Induction Melting Furnace
Induction Annealing Machine
Vacuum Heating Furnace
Induction Pipeline Bending Machine
RPR Induction Coating Removal Heater
Zinc Recycling Vacuum Distillation Furnace

CNC Induction Hardening Machine
Electric Heating Furnace
Induction Brazing System
Induction & Resistance PWHT System
MF & Spot Welding Machine
Induction disassembly and assembly machine
Induction Hot Water & Steam Generator
Customized Heating Equipment

ABOUT US



HLQ Induction Equipment Co., Ltd is a professional manufacturer of induction heating equipment, providing reliable, energy-efficient and customized heating solutions for metal processing industries worldwide. With years of engineering experience in induction heating technology, HLQ focuses on the development, production and application of induction heating power supplies, electric heating furnaces, PWHT machines, vacuum heating furnaces, customized heating equipments, etc.

Our product range includes induction heating machines, induction brazing machines, induction hardening machines, melting furnaces, induction water heaters, steam generators, billet heating furnaces, pipe heating systems, thermal oil heaters, PWHT machines, electric heating furnaces, induction coils and customized automated heating systems. These solutions are widely used in metal forging, brazing, hardening, annealing, melting, preheating, post-weld heat treatment, thermal oil heating, recycling and industrial production lines.

HLQ Induction Equipment Co., Ltd is committed to helping customers improve heating efficiency, reduce energy consumption, enhance product quality and lower operating costs. We provide not only standard equipment, but also complete technical support, process design, coil customization and turnkey induction heating solutions according to different materials, workpiece sizes, production capacity and temperature requirements.

With stable product performance, professional engineering service and a customer-oriented approach, HLQ has served customers in machinery manufacturing, automotive parts, metal processing, foundry, construction, oil and gas, chemical processing and recycling industries.

As a trusted induction heating solution provider, HLQ Induction Equipment Co., Ltd continues to innovate and deliver practical, efficient and sustainable heating technologies for global industrial customers.

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.1 1-High Frequency Series

Main Models and Specifications:

Model	Maximum input power	Oscillating frequency	Max input current	Input voltage	Duty cycle
DW-HF-04	4KW	100-250KHz	15A	Single phase, 220V 50Hz/60Hz	80%
DW-HF-15	7KW	30-80KHz	32A		
DW-HF-25	15KW		23A	3phases, 380V ,50Hz/60Hz	100%
DW-HF-35	35KW		55A		
DW-HF-45	45KW		68A		
DW-HF-60	60KW		80A		
DW-HF-70	70KW		105A		
DW-HF-90	90KW		135A		
DW-HF-120	120KW		160A		
DW-HF-160	160KW		260A		



INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.12-Medium Frequency Series

Main Models and Specifications:

Model	DW-MF-15	DW-MF-25	DW-MF-35	DW-MF-45	DW-MF-70	DW-MF-90	DW-MF-110	DW-MF-160
Max Input power	15KW	25KW	35KW	45KW	70KW	90KW	110KW	160KW
Max Input current	23A	36A	51A	68A	105A	135A	170A	240A
Output current	3-22A	5-45A	10-70A	15-95A	20-130A	25-170A	30-200A	30-320A
Output voltage	70-550V							
Input voltage	3phase 380V 50 or 60Hz or according customer's requirement.							
Frequency	1KHz - 20KHz according customer's workpiece require.							
Duty cycle	100% 24hours continuous working							
Generator Net weight	26	28	35	47	75	82	95	125kg
Generator Size LxWx H	47x27x45	52x27x45	65x35x55	75x40x87	82x50x87cm			
Timer	Timer Heating time: 0.1-99.9seconds retaining time: 0.1-99.9seconds							
Front panel	LCD, display frequency, power, time etc.							
Whole systems	≥0.2Mpa ≥6L/Min	≥0.3Mpa ≥10L/Min	≥0.3Mpa ≥20L/Min	≥0.3Mpa ≥30L/Min				
Power supply water flow	≥0.2Mpa ≥3L/Min	≥0.2Mpa ≥4L/Min	≥0.2Mpa ≥6L/Min	≥0.2Mpa ≥15L/Min				
Water way	1 water inlet, 1 water outlet	1 water inlet, 3 water outlet						
Max water tem.	≤40℃							
Auxiliary Function	1.model MF-XXA has timer function, heating time and retaining time can be preset and controlled independently from 0.1-99.9second. 2.model MF-XXB is used together with transformer.							

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.12-Medium Frequency Series



INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.13-Superaudio Frequency Series

Model	SRF-30	SRF-30	SRF-40	SRF-50	SRF-40	SRF-50	SRF-60
Max output power	30KW	30KW	40KW	50KW	40KW	50KW	60KW
frequency	10-40KHz	10-40KHz	10-40KHz	10-40KHz	10-40KHz	10-40KHz	10-40KHz
Max input current	48A	48A	62A	75A	62A	75A	90A
Working voltage	342-430V						
Input voltage	3phase 380V 50HZ or 60HZ						
Duty cycle	100%						
Water flow	15L/min	15L/min	32L/min	32L/min	32L/min	32L/min	40L/min
	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)
Generator weight	55KG	37KG	38KG	38KG	70KG	75KG	77KG
Transformer weight	x	23KG	23KG	28KG	40KG	45KG	60KG
Generator size (mm)	600x300x610	650x285x600	650x285x600	650x285x600	820x465x900	820x465x900	820x465x900
Transformer Size(mm)	x	415x305x375	415x305x375	415x305x375	415x410x355	415x410x355	465x435x470
Shipping size	690x400x730	700x660x800	700x660x800	700x660x800	1010x920x1100	1010x920x1100	1010x920x1100
Shipping weight	79kg	76.5kg	78kg	80kg	145kg	155kg	170kg

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.13-Superaudio Frequency Series

Model	SRF-80	SRF-100	SRF-120	SRF-160	SRF-200	SRF-250	SRF-300
Max output power	80KW	100KW	120KW	160KW	200KW	250KW	300KW
frequency	10-40KHz	10-40KHz	10-40KHz	8-30KHz	8-30KHz	8-30KHz	8-30KHz
Max input current	125A	155A	185A	245A	310A	380A	455A
Working voltage	342-430V						
Input voltage	3phases, 380V 50HZ or 60HZ						
Duty cycle	100%						
Water flow	50L/min	50L/min	68L/min	68L/min	80L/min	80L/min	100L/min
	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)	(0.2Mpa)
Generator weight	135KG	136KG	137KG	138KG	185KG	192KG	198KG
Transformer weight	80KG	80KG	95KG	108KG	116KG	123KG	126KG
Generator size (mm)	900x550x1180	900x550x1180	900x550x1180	900x550x1180	830x720x1860	830x720x1860	830x720x1860
Transformer Size(mm)	560x460x470	560x460x470	560x465x470	710x470x500	900x550x620	900x550x620	900x550x620
Shipping size	1150x1010x1360	1150x1010x1360	1150x1010x1360	1150x1010x1360	1000x800x2000	1000x800x2000	1000x800x2000
					1180x650x1000	1180x650x1000	1180x650x1000
Shipping size	282kg	285kg	305kg	316kg	275kg	285kg	292kg
					156kg	168kg	175kg

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.13-Superaudio Frequency Series



INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.14-Medium Frequency MFS Series

Models	Rated output power	Frequency rage	Input current	Input voltage	Duty cycle	Water flow	weight	Dimension
MFS-100	100KW	0.5-10KHz	160A	3phase 380V 50Hz	100%	10-20m³/h	175KG	800x650x 1800mm
MFS-160	160KW	0.5-10KHz	250A	10-20m³/h	180KG	800x 650 x 1800mm		
MFS-200	200KW	0.5-10KHz	310A	10-20m³/h	180KG	800x 650 x 1800mm		
MFS-250	250KW	0.5-10KHz	380A	10-20m³/h	192KG	800x 650 x 1800mm		
MFS-300	300KW	0.5-8KHz	460A	25-35m³/h	198KG	800x 650 x 1800mm		
MFS-400	400KW	0.5-8KHz	610A	25-35m³/h	225KG	800x 650 x 1800mm		
MFS-500	500KW	0.5-8KHz	760A	25-35m³/h	350KG	1500 x 800 x 2000mm		
MFS-600	600KW	0.5-8KHz	920A	25-35m³/h	360KG	1500 x 800 x 2000mm		
MFS-750	750KW	0.5-6KHz	1150A	50-60m³/h	380KG	1500 x 800 x 2000mm		
MFS-800	800KW	0.5-6KHz	1300A	50-60m³/h	390KG	1500 x 800 x 2000mm		

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.14-Medium Frequency MFS Series



INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.15-Ultrahigh Frequency Series

Models	Maximum input power	Oscillating frequency	Max input current	Input voltage	Duty cycle
UHF-06A-I	6.6KW	200-500KHZ	30A	1 phase 220V 50/60Hz	80%
UHF-06A-II	200-700KHZ				
UHF-06A/AB-III	6KW	0.5-1.1MHZ			
UHF-10A-I	10KW	50-300KHZ	15A	3phase 380V 50/60Hz	100%
UHF-10A-II	10KW	200-500KHZ	45A	1 phase 220V 50/60Hz	80%
UHF-20AB	20KW	80-250KHZ	30A	3phase 380V 50/60Hz	100%
UHF-30AB	30KW	80-200KHZ	45A		
UHF-40AB	40KW	80-200KHZ	60A		
UHF-60AB	60KW	50-150KHZ	90A		
UHF-100AB	100KW	50-150KHZ	150A		
UHF400K2-10	10KW	200-500KHZ	15A		
UHF400K2-20	20KW	200-500KHZ	30A		
UHF400K2-30	30KW	200-500KHZ	45A		
UHF400K2-40	40KW	200-500KHZ	60A		
UHF400K2-60	60KW	200-400KHZ	90A		

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.15-Ultrahigh Frequency Series



INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.16-KGPS Medium Frequency Power Supplies For Smelting

Model	Power Input (50/60Hz)					Power Output				Melting Time (min)	Power Consumption (KWH/T)			
	Rated Power	Input Voltage	Input Current	Rectifier Pulse	Matching Transformer	DC Voltage	DC Current	Medium-Frequency	Frequency		Cast Iron	Red Copper	Brass	Aluminum
	(kW)	(V)	(A)	Number	Capacity (kVA)	(V)	(A)	Voltage (V)	(kHz)					
GW-0.05T	50	380	80	6	3-p50	500	100	750	1	20-40	750	510	470	650
GW-0.1T	100		160		3-p100		200		1	20-40	700	510	470	640
GW-0.15T	160		256		3-p200		320		1	20-40	650	500	430	630
GW-0.25T	200		320		3-p250		400		1	20-45	650	500	420	610
GW-0.35T	250		400		3-p315		500		1	20-45	650	490	410	600
GW-0.5T	350		560		3-p400		700		0.8	30-50	630	480	400	570
GW-0.75T	500		800		3-p630		1000		0.8	40-50	620	470	390	560
GW-1T	800	1280	656		3-p1000	990	1600	1480	0.7	40-50	620	460	380	550
		750			3-p1000		808							
GW-1.5T	1000	380	800	12	Dual 3-p1250	500	1000	750	0.7	40-60	600	450	370	540
		750	820	6	3-p1250	990	1010	1480						
GW-2T	1400	750	1148	6	3-p1800	990	1414	1480	0.5	45-60	600	440	360	530
		750	574	12	Dual 3-p1800	990	707	1480						
GW-3T	2000	750	820	12	Dual 3-p2500	990	1010	1480	0.5	50-70	580	430	350	520
GW-5T	3000	950	1140	12	Dual 3-p4000	1260	1190	1900	0.3	50-80	570	420	340	510
GW-10T	6000	950	2280	12	Dual 3-p8000	1260	2380	1900	0.3	50-90	560	410	330	490
GW-15T	8000	950	1520	24	Four 3-p10000	1260	1590	1900	0.3	50-90	550	400	320	480
GW-20T	10000	950	1900	24	Four 3-p12500	1260	1980	1900	0.25	50-90	530	400	310	470
GW-30T	15000	950	2850	24	Four 3-p20000	1260	2980	1900	0.25	50-90	520	400	310	450
Furnace temperature: Steel 1165°C , Cast iron 1450°C , Copper 1150°C , Brass 1000°C , Aluminum 700°C , Zinc 400°C														

INDUCTION HEATING POWER SUPPLIES

1.1-- Water Cooled Induction Heating Systems

1.16-KGPS Medium Frequency Power Supplies

--SCR Series & Paralle--



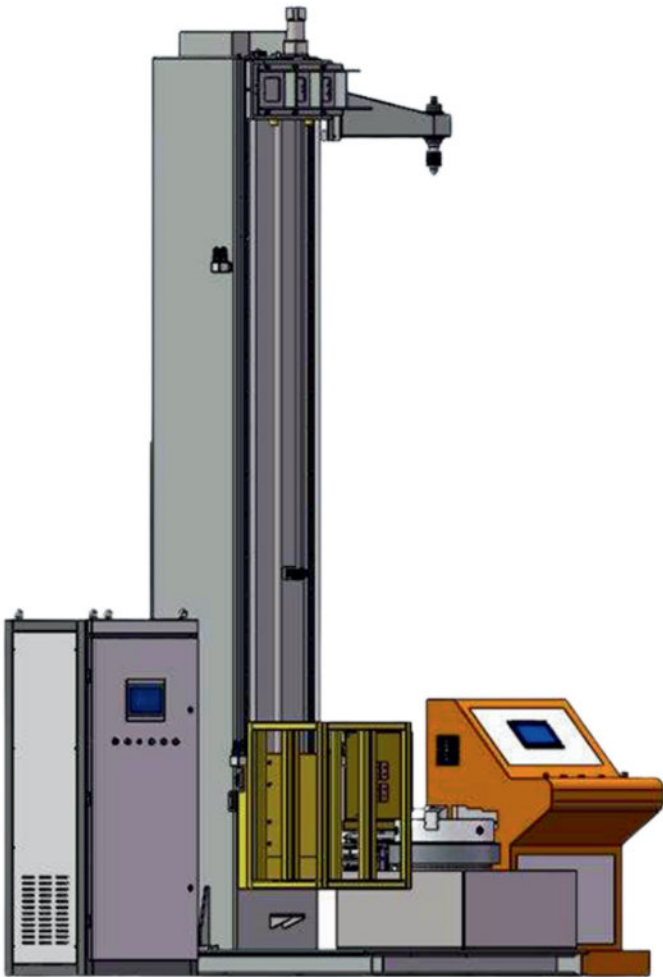
CNC INDUCTION HARDENING MACHINE

Technical Parameter				
Model	SK-500	SK-1000	SK-1200	SK-1500
Max heating length (mm)	500	1000	1200	1500
Max heating diameter (mm)	500	500	600	600
Max holding length (mm)	600	1100	1300	1600
Max weight of workpiece (Kg)	100	100	100	100
Workpiece rotation speed (r/min)	0-300	0-300	0-300	0-300
workpiece moving speed (mm/min)	6-3000	6-3000	6-3000	6-3000
Cooling method	Hydrojet cooling	Hydrojet cooling	Hydrojet cooling	Hydrojet cooling
Input voltage	3P 380V 50Hz	3P 380V 50Hz	3P 380V 50Hz	3P 380V 50Hz
Motor power	1.1KW	1.1KW	1.2KW	1.5KW
Dimension LxWxH (mm)	1600 x800 x2000	1600 x800 x2400	1900 x900 x2900	1900 x900 x3200
weight (Kg)	800	900	1100	1200

CNC INDUCTION HARDENING MACHINE

Model	SK-2000	SK-2500	SK-3000	SK-4000
Max heating length (mm)	2000	2500	3000	4000
Max heating diameter (mm)	600	600	600	600
Max holding length (mm)	2000	2500	3000	4000
Max weight of workpiece (Kg)	800	1000	1200	1500
workpiece rotation speed (r/min)	0-300	0-300	0-300	0-300
workpiece moving speed (mm/min)	6-3000	6-3000	6-3000	6-3000
Cooling method	Hydrojet cooling	Hydrojet cooling	Hydrojet cooling	Hydrojet cooling
Input voltage	3P 380V 50Hz	3P 380V 50Hz	3P 380V 50Hz	3P 380V 50Hz
Motor power	2KW	2.2KW	2.5KW	3KW
Dimension LxWxH (mm)	1900 x900 x2400	1900 x900 x2900	1900 x900 x3400	1900 x900 x4300
weight (Kg)	1200	1300	1400	1500

CNC INDUCTION HARDENING MACHINE



INDUCTION MELTING FURNACE

--SMALL INDUCTION MELTING FURNACES--

Model	DW-MF-15	DW-MF-25	DW-MF-35	DW-MF-45	DW-MF-70	DW-MF-90	DW-MF-110	DW-MF-160
Max Input power	15KW	25KW	35KW	45KW	70KW	90KW	110KW	160KW
Max Input current	23A	36A	51A	68A	105A	135A	170A	240A
Output current	3-22A	5-45A	10-70A	15-95A	20-130A	25-170A	30-200A	30-320A
Output voltage	70-550V							
Input voltage	3phase 380V 50 or 60HZ or according customer's requirement.							
Frequency	1-20KHZ							
Duty cycle	100% 24hours continuous working							
Generator net weight	26KG	28KG	35KG	47KG	75KG	82KG	95KG	125KG
Generator size	470x270x450		520x270x450	650x350x50	750x400x870			820x500x870
Timer	Heating time: 0.1-99.9 seconds retaining time: 0.1-99.9 seconds							
Front panel	LCD, display frequency, power, time etc.							
Whole systems water flow	≥0.2Mpa ≥6L/Min		≥0.3Mpa ≥10L/Min		≥0.3Mpa ≥20L/Min			≥0.3Mpa ≥30L/Min
Power supply water flow	≥0.2Mpa ≥3L/Min		≥0.2Mpa ≥4L/Min		≥0.2Mpa ≥6L/Min			≥0.2Mpa ≥15L/Min
Max water temp.	≤40℃							

INDUCTION MELTING FURNACE

--SMALL IGBT INDUCTION MELTING FURNACES--



INDUCTION MELTING FURNACE

--ALUMINUM MELTING ELECTROMAGNETIC INDUCTION FURNACES--

Model	Aluminum Capacity	Melting Rate	Configured Power	Max Working	Melting Time	Input Voltage (V)	Tilting Type	Crucible Material
	(kg)	(kg/h)	(kW)	Temperature (°C)	(h)			
SMJD-100RL	100	100	40	1200°C	1.6	3-phase, 380V, 50/60 Hz	Hydraulic Tilting or Fixed Type	Silicon Carbide Graphite
SMJD-200RL	200	150	40					
SMJD-300RL	300	200	60					
SMJD-400RL	400	250	80					
SMJD-500RL	500	350	120					
SMJD-800RL	800	600	160					
SMJD-1000RL	1000	700	200					
SMJD-1200RL	1200	850	250					
SMJD-1500RL	1500	1100	300					
SMJD-2000RL	2000	1500	450					
SMJD-4000RL	4000	2800	800					

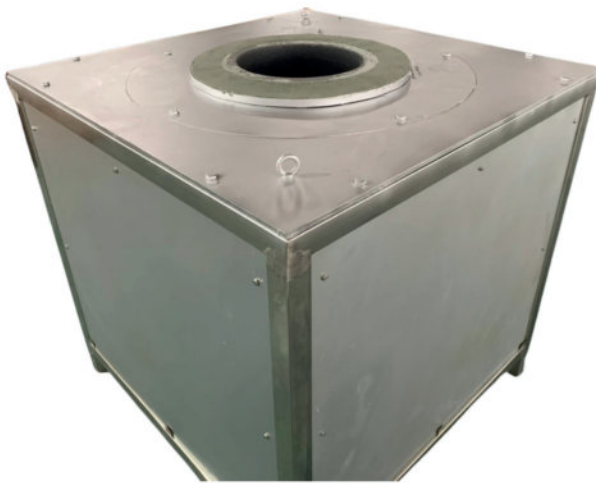
INDUCTION MELTING FURNACE

--COPPER MELTING ELECTROMAGNETIC INDUCTION FURNACES--

Model	Copper Capacity (KG)	Melting Capacity (KG/H)	Configure d Power (KW)	Max Working Temperature (°C)	Melting Time (H)	Input Voltage (V)	Tilting Type	Crucible
SMJD-200RT	200	200	60	1600°C	1.5	3p,380V,50/60Hz (It can be customized)	Hydraulic Tilting or Fixed Type	Silicon Carbide Graphite
SMJD-300RT	300	300	60					
SMJD-500RT	500	400	80					
SMJD-800RT	800	600	100					
SMJD-900RT	900	700	120					
SMJD-1000RT	1000	750	200					
SMJD-1500RT	1500	1100	250		2			
SMJD-2000RT	2000	1500	300					
SMJD-3000RT	3000	2000	450					
SMJD-5000RT	5000	3500	800					

INDUCTION MELTING FURNACE

--ALUMINUM COPPER MELTING ELECTROMAGNETIC INDUCTION FURNACES--



INDUCTION MELTING FURNACE

--GW MELTING INDUCTION FURNACES--

--SCR SERIES . PARALLEL IF INDUCTION FURNACE--

Model	Power Input (50/60Hz)					Power Output				Melting Time (min)	Power Consumption (KWH/T)			
	Rated Power	Input Voltage	Input Current	Rectifier Pulse	Matching Transfor	DC Voltage	DC Current	Medium-Frequency	Medium-Frequency		Cast Iron	Copper	Brass	Aluminum
	(kW)	(V)	(A)	Number	Capacity (kVA)	(V)	(A)	Voltage (V)	(kHz)					
GW-0.05T	50	380	80	6	3-p 50	500	100	750	1	20-40	750	510	470	650
GW-0.1T	100	380	160	6	3-p 100	500	200	750	1	20-40	700	510	470	640
GW-0.15T	160	380	256	6	3-p 200	500	320	750	1	20-40	650	500	430	630
GW-0.25T	200	380	320	6	3-p 250	500	400	750	1	20-45	650	500	420	610
GW-0.35T	250	380	400	6	3-p 315	500	500	750	1	20-45	650	490	410	600
GW-0.5T	350	380	560	6	3-p 400	500	700	750	0.8	30-50	630	480	400	570
GW-0.75T	500	380	800	6	3-p 630	500	1000	750	0.8	40-50	620	470	390	560
GW-1T	800	380	1280	6	3-p 1000	500	1600	750	0.7	40-50	620	460	380	550
		750	656	6	3-p 1000	990	808	1480						
GW-1.5T	1000	380	800	12	Dual 3-p 1250	500	1000	750	0.7	40-60	600	450	370	540
		750	820	6	3-p 1250	990	1010	1480						
GW-2T	1400	750	1148	6	3-p 1800	990	1414	1480	0.5	45-60	600	440	360	530
		750	574	12	Dual 3-p 1800	990	707	1480						
GW-3T	2000	750	820	12	Dual 3-p 2500	990	1010	1480	0.5	50-70	580	430	350	520
GW-5T	3000	950	1140	12	Dual 3-p 4000	1260	1190	1900	0.3	50-80	570	420	340	510
GW-10T	6000	950	2280	12	Dual 3-p 8000	1260	2380	1900	0.3	50-90	560	410	330	490
GW-15T	8000	950	1520	24	Four 3-p 10000	1260	1590	1900	0.3	50-90	550	400	320	480
GW-20T	10000	950	1900	24	Four 3-p 12500	1260	1980	1900	0.25	50-90	530	400	310	470
GW-30T	15000	950	2850	24	Four 3-p 20000	1260	2980	1900	0.25	50-90	520	400	310	450

Furnace temperature: Steel 1165°C, Cast iron 1450°C, Copper 1150°C, Brass 1000°C , Aluminum 700°C, Zinc 400°C

INDUCTION MELTING FURNACE

--GW MELTING INDUCTION FURNACES--

--SCR SERIES . PARALLEL IF INDUCTION FURNACE--



INDUCTION BILLET HEATING FURNACE

--Steel Billets - Copper Rods - Aluminum Bars--

--Metals Billets Heating For Hot Forming--

Model	Rated Power	Input Voltage	Frequency Range	Steel Billet Capacity	Copper Billet Capacity	Aluminum Billet Capacity	Billet Diameter	Temperature	Cooling Water Flow
MF-70KW	70 kW	3P 380V / 415V / 440V / 480V/660 V, 50/60Hz	1-10 kHz	60-120 kg/h	80-150 kg/h	120-220 kg/h	Ø20-50 mm	Steel: 950-1250°C / Copper:	≥12 L/min
MF-100KW	90 kW		1-10 kHz	100-180 kg/h	130-230 kg/h	180-350 kg/h	Ø25-60 mm	Steel: 950-1250°C / Copper:	≥15 L/min
MF-120KW	110 kW		1-8 kHz	150-250 kg/h	200-320 kg/h	300-500 kg/h	Ø30-70 mm	Steel: 950-1250°C / Copper:	≥18 L/min
MF-160KW	160 kW		1-8 kHz	250-400 kg/h	320-500 kg/h	450-750 kg/h	Ø40-80 mm	Steel: 950-1250°C / Copper:	≥25 L/min
MF-200KW	200 kW		0.8-8 kHz	350-600 kg/h	450-750 kg/h	650-1100 kg/h	Ø50-100 mm	Steel: 950-1250°C / Copper:	≥30 L/min
MF-250KW	250 kW		0.8-6 kHz	500-800 kg/h	650-1000 kg/h	900-1500 kg/h	Ø60-120 mm	Steel: 950-1250°C / Copper:	≥40 L/min
MF-300KW	300 kW		0.5-6 kHz	700-1000 kg/h	900-1300 kg/h	1200-1800 kg/h	Ø70-130 mm	Steel: 950-1250°C / Copper:	≥45 L/min
MF-400KW	400 kW		0.5-5 kHz	1000-1500 kg/h	1300-2000 kg/h	1800-2800 kg/h	Ø80-150 mm	Steel: 950-1250°C / Copper:	≥60 L/min
MF-500KW	500 kW		0.5-4 kHz	1500-2200 kg/h	2000-2800 kg/h	2700-4000 kg/h	Ø100-180 mm	Steel: 950-1250°C / Copper:	≥75 L/min
MF-600KW	600 kW		0.3-4 kHz	2000-3000 kg/h	2600-3800 kg/h	3500-5200 kg/h	Ø120-200 mm	Steel: 950-1250°C / Copper:	≥90 L/min
MF-800KW	800 kW		0.3-3 kHz	3500-5000 kg/h	4500-6200 kg/h	5800-8500 kg/h	Ø150-250 mm	Steel: 950-1250°C / Copper:	≥120 L/min
MF-1000KW	1000 kW		0.2-2.5 kHz	5000-7000 kg/h	6200-8500 kg/h	8000-11000 kg/h	Ø180-300 mm	Steel: 950-1250°C / Copper:	≥150 L/min

INDUCTION BILLET HEATING FURNACE

--Steel Billets - Copper Rods - Aluminum Bars--

--Metals Billets Heating For Hot Forming--



INDUCTION BRAZING MACHINE

--Handheld Induction Brazing Heater--

Model	Rated Power	Input Voltage	Frequency	Cable Length	Cooling Method
DWS-6KW	6 KW	1P 220V /50/60Hz	300-800 kHz	1.5m	Water cooling
DWS-10KW	10 KW	3P 380V, 50/60Hz	150-350 kHz	1-5m (It can be customized)	
DWS-15KW	15 KW	3p 380V,50/60K Hz (It can be customized)	30-80KHz		
DWS-25KW	25 KW				
DWS-35KW	35 KW				
DWS-45KW	45 KW				
DWS-60KW	60 KW				
DWS-80KW	80 KW		20-50KHz		
DWS-100KW	100 KW				
DWS-120KW	120 kW				
DWS-160KW	160 kW		5-30KHz		
DWS-200KW	200 kW				

INDUCTION BRAZING MACHINE

--Handheld Induction Brazing Heater--



RPR INDUCTION COATING REMOVAL HEATER

Model	DWS-20P	DWS-30P	DWS-60P	DWS-80P
Max input power	25kw	30kw	60kw	80KW
Length of flexible cable	3-100m (customizable)			
Output frequency	20-50KHz			
Output current	5 ~ 45A	6-54A	12-108A	15-120A
Output voltage	70 ~ 520V			
Input voltage	380V,3phases,50/60Hz			
Duty cycle	50%			
Cooling water	≥0.5MPa ≥30L/min			
Inner water chiller	Yes		No	
Weight	Generator	280KG	316KG	580KG
Heating head	2.2KG	2.7KG	4.5KG	
Size/cm	Generator	103L×750W×156.6 H	103L×750W×156.6 H	70L×40W×103.5H
Heating head	Φ6.5×16.5L	Φ8×18.5L	Φ11.8×24L	

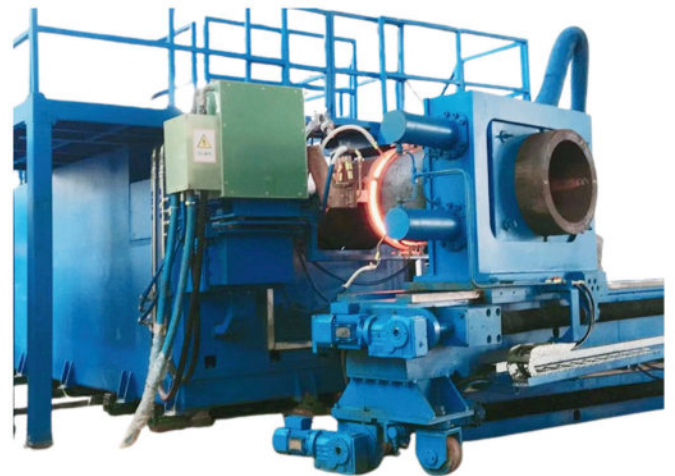
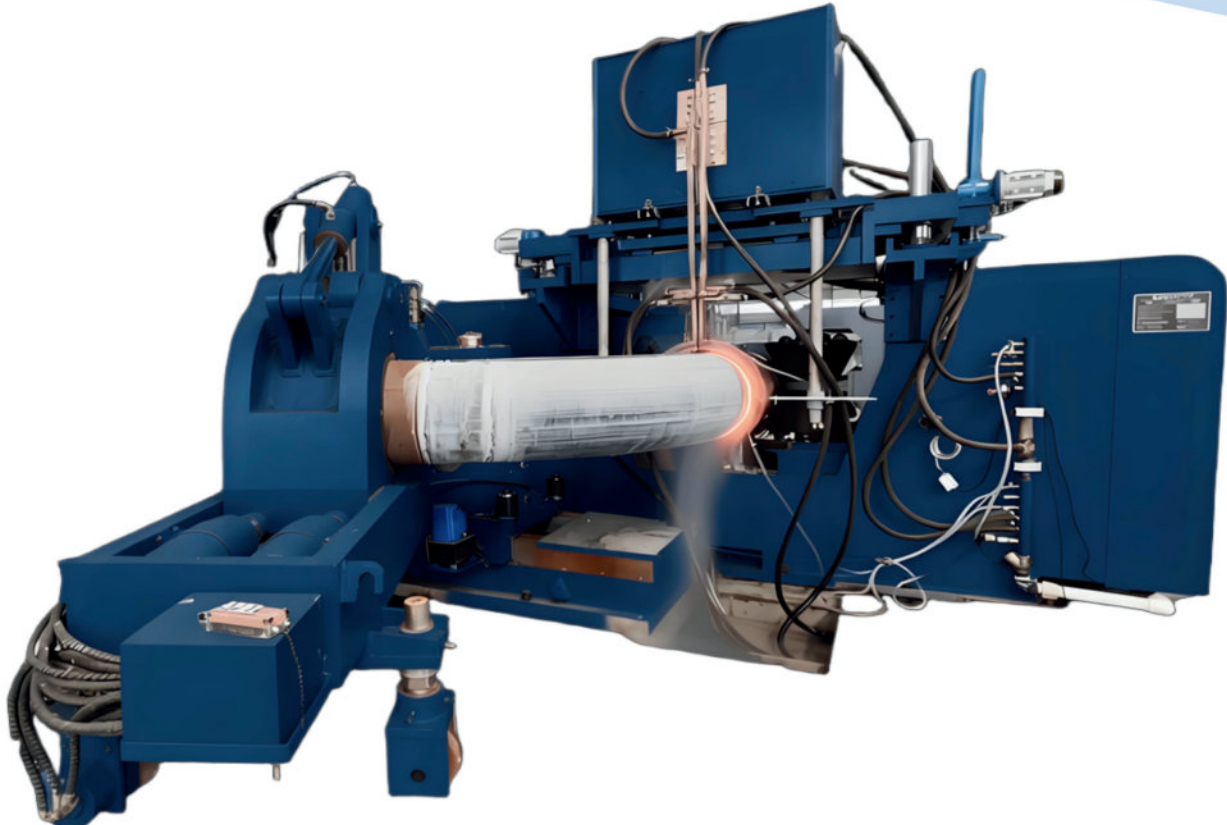
RPR INDUCTION COATING REMOVAL HEATER



INDUCTION PIPELINE BENDING MACHINE

Model	Pipe Diameter Range (mm)	Pipe Bending Wall Thickness (mm)	Designed Push Force (T)	Bending Radius (R)	Bending Angle (°)	Pipe Bending Speed (mm/s)	Rapid Return Speed (mm/min)	Induction Heating Power (kW)
DWB-219	76-219	18/25/40	60	$\geq 1.5D$	0-180	0.3-4	1500	160
DWB-325	76-325	18/25/40	70	$\geq 2.5D$	0-180	0.25-3	1500	200
DWB-426	108-426	18/25/40	100	$\geq 3D$	0-180	0.25-3	1500	250
DWB-530	159-529	18/25/40	120	$\geq 3D$	0-180	0.2-3	1500	300
DWB-630	159-630	18/25/40	160	$\geq 3D$	0-180	0.2-3	1500	400
DWB-720	219-720	18/25/40	180	$\geq 3D$	0-180	0.15-2.5	1500	500
DWB-830	219-830	18/25/40	220	$\geq 3D$	0-180	0.15-2.5	1500	550
DWB-1020	426-1020	18/25/40	260	$\geq 3D$	0-180	0.15-2.5	1500	600
DWB-1220	529-1220	18/25/40	300	$\geq 3D$	0-180	0.15-2.5	1500	700
DWB-1420	630-1420	18/25/40	350	$\geq 3D$	0-180	0.15-2.5	1500	800

INDUCTION PIPELINE BENDING MACHINE



INDUCTION PREHEAT - PWHT MACHINE

-- Air Cooled Induction Heating System--

Model	Rated Power	Input Voltage	Frequency	Heating Cable	Preheat Temp.	PWHT Temp.	Controller	Cooling Method
DWS-20	20 kW	380V ±10%, 3P, 50/60Hz	5- 30KHz	Flexible Heating Cable (The Length Can Be Customiz ed)	80-350°C	300-700°C	PID / PLC / Touch Screen Temperat ure Controller	Air Cooling
DWS-40	40 kW				100- 400°C	300-750°C		
DWS-60	60 kW				100- 450°C	300-750°C		
DWS-80	80 kW				100- 500°C	300-760°C		
DWS-100	100 kW				100- 550°C	300-780°C		
DWS-120	120 kW				100- 550°C	300-800°C		
DWS-160	160 kW				100- 600°C	300-800°C		
DWS-200	200 kW				100- 600°C	300-850°C		
DWS-250	250 kW				100- 650°C	300-850°C		
DWS-300	300 kW				100- 650°C	300-850°C		

INDUCTION PREHEAT - PWHT MACHINE

-- Air Cooled Induction Heating System--

Item	Configuration
Power supply type	IGBT induction heating power supply
Control system	DSP / PLC control optional
Heating method	Non-contact electromagnetic induction heating
Temperature sensor	K-type thermocouple, magnetic thermocouple optional
Temperature accuracy	$\pm 3^{\circ}\text{C}$ to $\pm 10^{\circ}\text{C}$ depending sensor installation
Duty cycle	100% continuous operation for industrial PWHT models
Heating cable	Air-Cooled / Water-Cooled flexible induction cable
Cable insulation	High-temperature fiberglass / silicone / ceramic fiber insulation
Cooling unit	Industrial water chiller or closed-loop cooling system
Data recording	Optional temperature recorder / paperless recorder
Protection functions	Over-current, over-voltage, water pressure, overheating, phase loss
Suitable materials	Carbon steel, low alloy steel, stainless steel, steel, pressure vessel steel
Main industries	Oil & gas, pipeline construction, shipbuilding, boilers, pressure vessels, petrochemical plants, power plants

INDUCTION PREHEAT - PWHT MACHINE

2.1-- Air Cooled Induction Heating System



ELECTROMAGNETIC INDUCTION WATER HEATER

2.1--Air Cooled Induction Heating System--

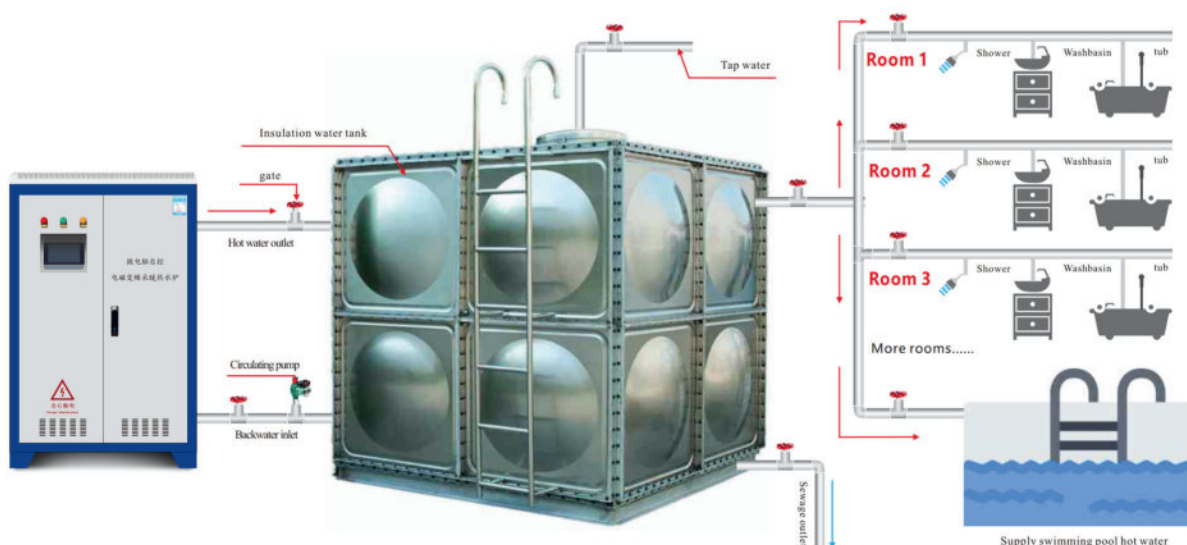
Model Power	Input Voltage	Heating Efficiency	Max Water Temperature	Temperature Control Accuracy	Cooling Method	Working Frequency	Control System
30 kW	380V ±10%, 3P,50/60Hz , (Customized)	95%	95℃	±1℃	Air Cooling	10-20KHz	PLC + HMI
60 kW							
100 kW							
150 kW							
200 kW							
250 kW							
350 kW							
500 kW							
650 kW							
800 kW							

ELECTROMAGNETIC INDUCTION WATER HEATER

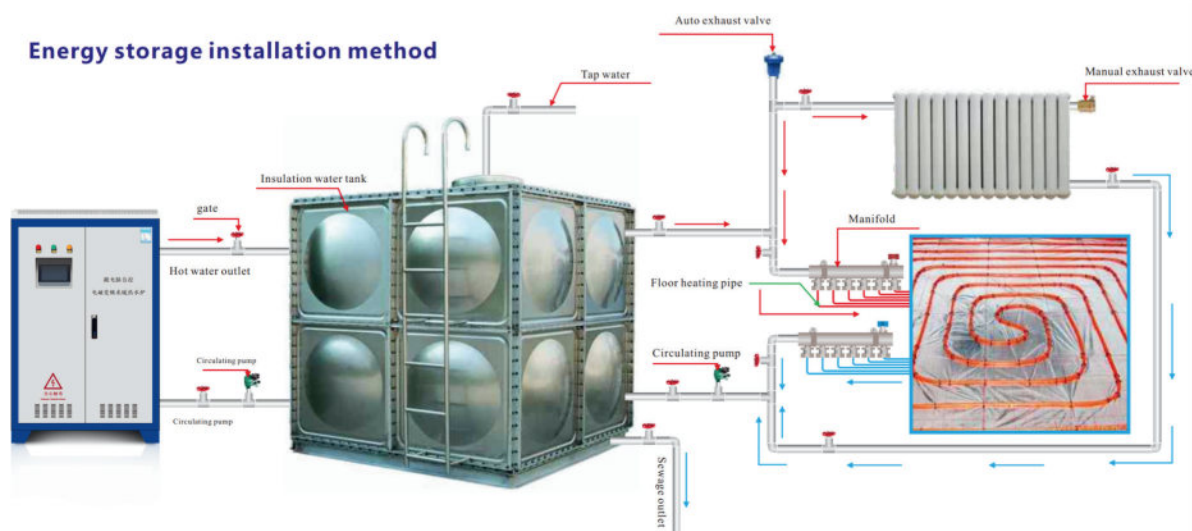
2.1--Air Cooled Induction Heating System--



Installation method of energy storage hot water project



Energy storage installation method



[Explanation] The regenerative heating connection method is suitable for heating of various sizes and areas. The regenerative heating is a method of converting electrical energy into heat energy through a heat preservation water tank to preserve the heat energy. Warm way. The system heats the water tank to store heat when the electricity is used at the valley value, and releases heat energy for heating at the peak value, thereby reducing heating costs. The regenerative connection method is more suitable for large areas Accumulated heating, large-scale central heating all use this method.

INDUCTION STEAM GENERATOR

2.1--Air Cooled Induction Heating System--

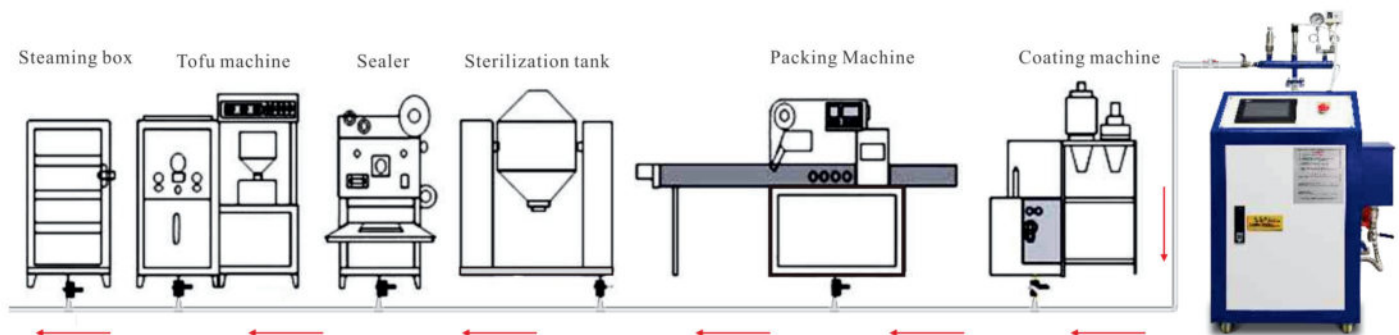
Power	Input Voltage	Evaporation Capacity / kg/h	Max Steam Temp./ °C	Rated Steam Pressure/ MPa	Rated Current	Cable Cross-Section / mm ²	Efficiency	Cooling Method	Steam Outlet	Water Inlet	Drain Outlet
8 kW	220/380V, 50/60Hz	11	165	0.7	36A / 12A	2.5	98%	Air Cooling	DN15	DN25	DN15
10 kW	220/380V, 50/60Hz	14			45A / 15A	2.5			DN15	DN25	DN15
12 kW	3p,380V, 50/60Hz	17			18A	2.5			DN15	DN25	DN15
15 kW		21			22A	4			DN15	DN25	DN15
20 kW		28			30A	6			DN15	DN25	DN15
25 kW		35			37A	10			DN15	DN25	DN15
30 kW		42			45A	10			DN15	DN25	DN15
40 kW		56			60A	16			DN15	DN25	DN15
50 kW		70			75A	25			DN20	DN25	DN15
60 kW		84			90A	25			DN25	DN25	DN15
80 kW		112			120A	35			DN40	DN25	DN15
100 kW		140			150A	50			DN40	DN25	DN15
120 kW		168			180A	70			DN50	DN25	DN15
200 kW		280			300A	185			DN50	DN25	DN15
300 kW		420			450A	300			DN50	DN25	DN15
400 kW		560			600A	600			DN50	DN25	DN15
500 kW		700			750A	600			DN50	DN25	DN15
600 kW		840			900A	800			DN50	DN25	DN15
700 kW		980			1050A	900			DN50	DN25	DN15
800 kW		1120			1200A	1000 *			DN65*	DN32*	DN25*

INDUCTION STEAM GENERATOR

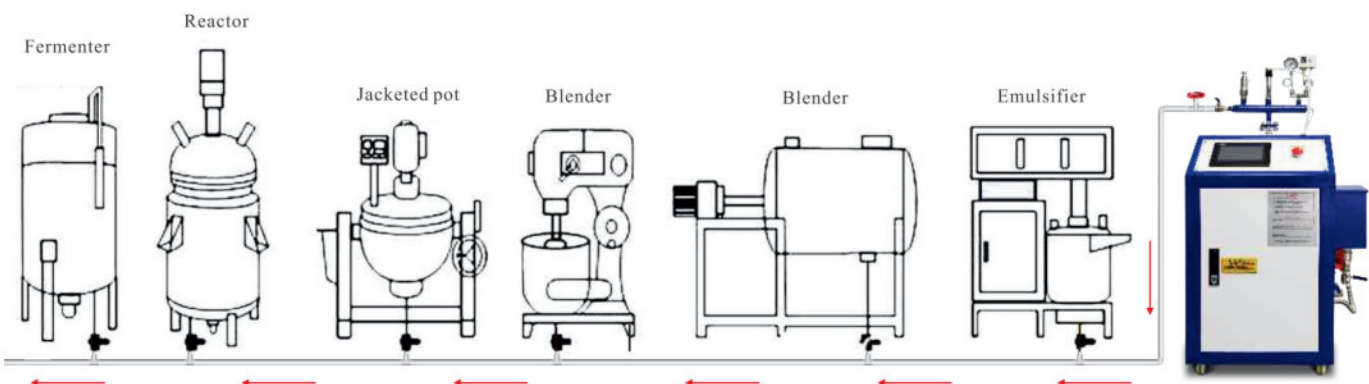
2.1--Air Cooled Induction Heating System--



Food machinery industry



Biochemical industry



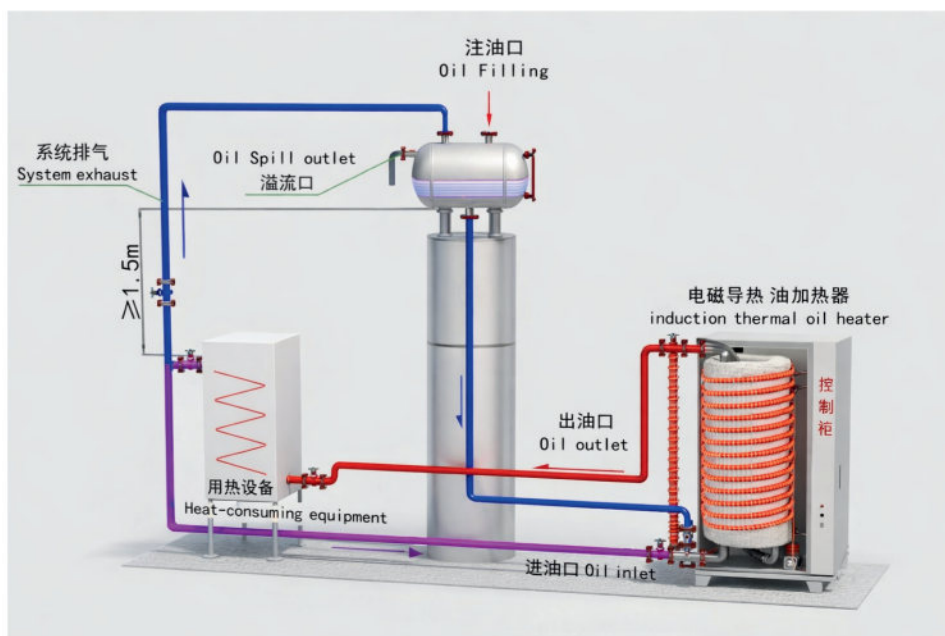
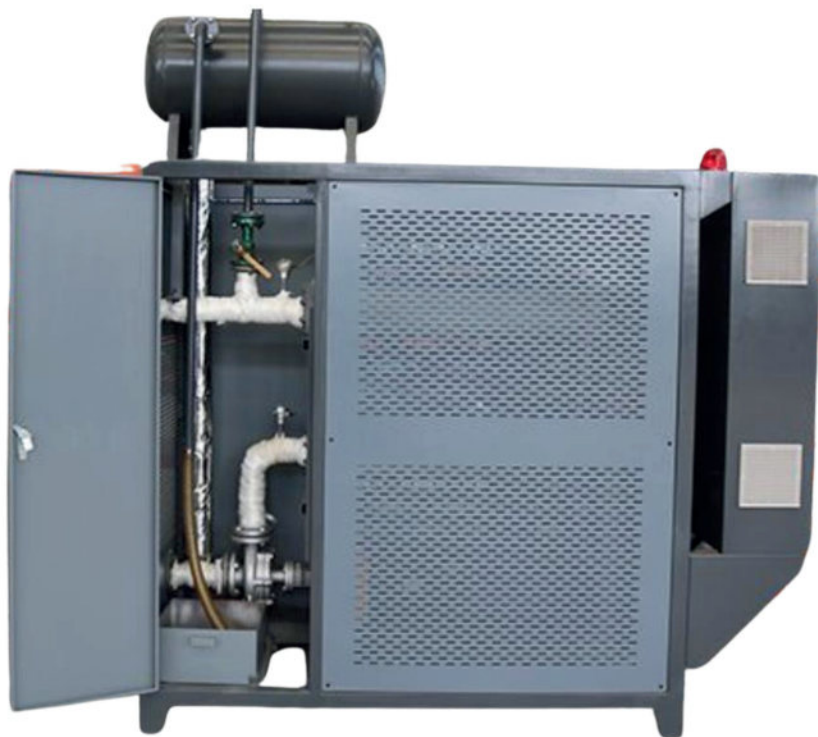
INDUCTION THERMAL OIL- FLUID HEATERS

2.1--Air Cooled Induction Heating System--

Model	Rated Power	Rated Voltage	Rated Current	Design Pressure	Working Pressure	Temperature Range	Temp. Precision	Thermal Efficiency	Pump Head	Pump Flow	Pump Motor Power
DWOB-60	60 kW	380V, 3-phase, 50/60Hz	90 A	0.5 MPa	0.4 MPa	0-350°C	±1°C	98%	25 m	25-35 m³/h	4-5.5 kW
DWOB-80	80 kW		120 A						25/38 m	40 m³/h	5.5 kW
DWOB-100	100 kW		150 A						25/40 m	40 m³/h	5.5/7.5 kW
DWOB-150	150 kW		225 A						25/40 m	40 m³/h	20 kW
DWOB-200	200 kW		300 A						35-45 m	45-50 m³/h	15-22 kW
DWOB-250	250 kW		375 A						40-50 m	50-60 m³/h	18.5-22 kW
DWOB-300	300 kW		450 A						50/50 m	50/60 m³/h	21 kW
DWOB-400	400 kW		600 A						50-55 m	70-80 m³/h	22-30 kW
DWOB-500	500 kW		750 A						55-60 m	80-100 m³/h	30-37 kW
DWOB-600	600 kW		900 A						55/30 m	100 m³/h	22 kW

INDUCTION THERMAL OIL- FLUID HEATERS

2.1--Air Cooled Induction Heating System--



ELECTRIC HEATING FURNACES

3.1--Bogie Hearth Furnace--

Model		GWL-STCS				
Working Temperature		1200℃	1400℃	1600℃	1700℃	1800℃
Maximum Temperature		1250℃	1450℃	1650℃	1750℃	1820℃
Furnace Door Open method		Electric control rises to open (Opening status can be modified)				
Temperature Rise Rate		Temperature Rise Rate Can Be Modify (30℃/min 1℃/h) , Company Suggest 10-20℃/min.				
Refractories		High purity alumina fiber polymer light material				
Loading Platform Capacity		100Kg to 10Ton (Can be modify)				
Loading Platform Passes In And Out		Electric machinery				
Rated Voltage		220V/380V				
Temperature Uniformity		±1℃				
Temperature Control Accuracy		±1℃				
		Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				
Standard Accessories						
Furnace Hearth Standard Dimension (Customizable)						
Furnace Hearth Dimension	Power Rating		Weight		Appearance Dimension	
800*400*400mm	35KW		Around 450Kg		1500*1000*1400mm	
1000*500*500mm	45KW		Around 650Kg		1700*1100*1500	
1500*600*600mm	75KW		Around 1000Kg		2200*1200*1600	
2000*800*700mm	120KW		Around 1600Kg		2700*1300*1700	
2400*1400*650mm	190KW		Around 4200Kg		3600*2100*1700	
3500*1600*1200mm	280KW		Around 8100Kg		4700*2300*2300	

ELECTRIC HEATING FURNACES

3.1--Bogie Hearth Furnace--



ELECTRIC HEATING FURNACES

3.2--High Temperature Tube Furnaces--

Item	Multi-Zone Tube Furnace	Vertical Split Tube Furnace	Multi-Zone Rotary Incline Tube Furnace / Kiln
Furnace Type	Horizontal / rotary / multi-zone tube furnace	Vertical split tube furnace	Rotary inclined multi-zone tube furnace / kiln
Max Temperature	1300°C	1200°C / 1400°C / 1600°C / 1700°C / 1800°C	1200°C / 1600°C / 1800°C
Working Temperature	650°C-1250°C	1150°C / 1350°C / 1550°C / 1650°C / 1750°C	Depends on model and process requirement
Heating Zones	Single-zone, 3-zone, or multi-zone	Single-zone or multi-zone	3-5 zones, 5-7 zones, or 7-9 zones
Temperature Control Accuracy	PID control	±1°C	±2°C / ±1°C / ±0.5°C depending on control system
Temperature Stability	±1°C		
Heated Length	3000 / 4000 / 5000 / 6000 / 9000 / 12000 mm /customizable		
Furnace Tube Diameter	80 / 90 / 100 / 110 / 150 / 220 / 300 / 350 / 500 / 600 mm/customizable		
Furnace Tube Material	Quartz tube or alumina tube/ SS tube		
Heating Element	Resistance wire elements,Silicon carbide rod or silicon molybdenum rod		
Furnace Structure	Split tube furnace with removable work tube	Vertical split structure, two-half opening design	Inclined rotary tube with feeding and collection system
Rotation Function	Available	Usually not used	Standard function
Rotation Speed	1.5-10 rpm	Not applicable	0.5-20 rpm depending on scale
Atmosphere Control	Vacuum or gas protection	Vacuum or atmosphere operation	Gas inlet, seals, and controlled atmosphere system
Vacuum Degree	Down to -0.1 MPa	Down to -0.1 MPa	Atmosphere controlled; vacuum/gas options can be customized
Control System	PID controller, integral control box, touchscreen		

ELECTRIC HEATING FURNACES

3.2--High Temperature Tube Furnaces--



VACUUM HEATING FURNACES

-3.31 High Temperature Vacuum Furnace-

Vacuum Sintering Furnace. Brazing Furnace. Graphite Furnace. Vacuum Quenching Furnace

Furnace Type	Process	Temp Range	Max Temp	Chamber Material	Heating Element	Vacuum Level	Atmosphere / Gas	Chamber Size	Cooling Method
High Temperature Vacuum Furnace	Sintering, annealing, brazing, heat treatment	500–2200°C	2300°C	Stainless steel, ceramic fiber, molybdenum foil, graphite, tungsten wire	Mo wire, W wire, graphite heater, MoSi ₂ , SiC depending on model	6×10 ⁻⁴ Pa to 7×10 ⁻³ Pa	Vacuum, argon, nitrogen, hydrogen, reducing gas	100×100×100 mm to 800×800×3000 mm	Natural cooling, gas cooling, water-cooled shell
Vacuum Heat Treatment Sintering Furnace	Powder metallurgy sintering, ceramic sintering, alloy sintering	1200–2300°C	2300°C		Mo, W, graphite, resistance heating	High vacuum, typically up to 6×10 ⁻⁴ Pa	Vacuum, Ar, N ₂ , H ₂	Customized, lab to industrial scale	Furnace cooling or gas cooling
Vacuum Debinding & Sintering Furnace	Debinding, pre-sintering, final sintering	300–1600°C / higher if customized	1600–1800°C typical; higher optional		Resistance wire, MoSi ₂ , graphite heater	Medium to high vacuum, process dependent	Vacuum, nitrogen, argon, hydrogen, mixed atmosphere	Customized according to MIM/CIM batch size	Controlled slow cooling or gas cooling
Vacuum Brazing Furnace	Stainless steel, aluminum, titanium, nickel alloy brazing	600–1200°C typical	Up to 1500°C for some models		Resistance heating, Mo heater, graphite heater	High vacuum; example application shows 5×10 ⁻⁴ Pa	Vacuum, partial pressure gas, nitrogen, argon	Small precision chamber to large horizontal furnace	Controlled cooling, gas cooling, furnace cooling

VACUUM HEATING FURNACES

-3.32 High Temperature Vacuum Furnace-

Vacuum Sintering Furnace. Brazing Furnace. Graphite Furnace. Vacuum Quenching Furnace

Furnace Type	Applications	Temp Range	Max Temp	Chamber Material	Heating Element	Vacuum Level	Atmosphere / Gas	Chamber Size	Cooling Method
Vacuum Quenching Furnace	Gas quenching, oil quenching, hardening	800–1300°C typical	1300–1350°C typical; customized higher	Graphite, molybdenum, heat-resistant steel hot zone	Graphite heater, Mo heater, resistance heater	High vacuum before heating	Nitrogen, argon, high-pressure gas; oil quenching optional	Horizontal single chamber or double chamber	Gas quenching or oil quenching
Vacuum Annealing Furnace	Bright annealing, stress relief, degassing	500–900°C for copper; higher for steel/alloy	900°C for copper tube model; 1100–1200°C custom	Stainless steel retort, alumina fiber lining	OCr25Al5 resistance wire or alloy resistance element	Vacuum pump system; model dependent	Vacuum, nitrogen backfill, protective gas	Example: $\phi 360 \times 6400$ mm for copper tubes	Water-cooled sealing, ventilation cooling
Vacuum Tempering Furnace	Tempering after quenching, stress relief	150–750°C typical	750–900°C	Stainless steel chamber, heat-resistant steel, ceramic fiber	Resistance wire / alloy heater	Low to medium vacuum, process dependent	Vacuum, nitrogen, argon	Customized batch chamber	Fan cooling or controlled cooling

VACUUM HEATING FURNACES

-3.33 High Temperature Vacuum Furnace-

Vacuum Sintering Furnace.Brazing Furnace.Graphite Furnace.Vacuum Quenching Furnace

Furnace Type	Applications	Temp Range	Max Temp	Chamber Material	Heating Element	Vacuum Level	Atmosphere / Gas	Chamber Size	Cooling Method	Control System
Vacuum Melting Furnace	Melting, alloy preparation, purification	800-1800°C typical	1800-2200°C depending on metal and crucible	Graphite chamber, tungsten chamber, water-cooled	Induction melting or resistance heating	High vacuum, process dependent	Vacuum, argon, nitrogen	Crucible size customized	Furnace cooling, water-cooled body	PLC, temperature and power control
Vacuum Graphite Furnace	High-temperature sintering, carbon material treatment,	1200-2200°C	2200°C	Graphite chamber / graphite hot zone	Graphite heating element	High vacuum or protective atmosphere	Vacuum, argon, nitrogen	Customized	Natural or gas cooling	PLC / PID
Vacuum Tungsten Furnace	Ultra-high temperature sintering, refractory metal heat treatment	Up to 1900°C standard models	1900°C listed; higher custom possible	Tungsten hot zone / tungsten filament furnace	Tungsten heating element	6×10^{-5} Pa listed on standard models	Nitrogen, argon, hydrogen, nitrogen-hydrogen mixture	φ100×100 mm to φ400×600 mm listed	Chiller optional, water cooling	Programmable temperature controller

VACUUM HEATING FURNACES

- High Temperature Vacuum Furnace-

Vacuum Sintering Furnace. Brazing Furnace. Graphite Furnace. Vacuum Quenching Furnace



ZINC RECYCLING VACUUM DISTILLATION FURNACE

No.	Parameter	Specification	Notes
1	Power Supply Rating	500 kW (installed)	Medium-frequency IGBT solid-state induction power supply
1.1	Actual Operating Output	450 kW	10% power reserve for stable operation and process margin
1.2	Operating Frequency	500 Hz – 1000 Hz	Auto-tracked resonant frequency
1.3	Input Voltage	3-phase 380 V / 660 V, 50/60 Hz	Customizable to local grid
1.4	Power Factor (corrected)	≥ 0.95	Built-in capacitor compensation bank
2	Furnace Body Capacity	2.0 – 3.0 Tons per charge	Depending on material density
2.1	Typical Charge Weight	1.78 – 2.2 Tons	For brass / Cu-Zn alloy scrap (density ~7.5–8.4 g/cm³)
2.2	Crucible Inner Diameter	Ø 1,040 mm	Graphite or high-density refractory crucible
2.3	Crucible Inner Height	1,050 mm	Effective working depth
2.4	Crucible Material	High-purity graphite + insulating refractory liner	Service life: 80–150 batches typical
2.5	Furnace Shell	Carbon steel double-wall, water-cooled	IP54 outer protection
3	Operating Temperature	Up to 1,300 °C	Fully adjustable and controllable
3.1	Zinc Boiling / Distillation Range	906 °C – 1,000 °C	Zn boiling point 907 °C at 1 atm; lower under vacuum
3.2	Operating Distillation Temperature	950 °C – 1,050 °C	Optimized under 10–30 Pa vacuum
3.3	Maximum Residual Melt Temperature	1,150 – 1,200 °C	For full Zn separation from Cu matrix
3.4	Temperature Control Accuracy	± 5 °C	Closed-loop PID, K-type or B-type thermocouple
3.5	Temperature Measurement	Thermocouple + Optical Pyrometer (redundant)	Dual-channel for safety

ZINC RECYCLING VACUUM DISTILLATION FURNACE

No.	Parameter	Specification	Notes
4	Vacuum System Parameters	10 Pa – 30 Pa working vacuum	Optimized for Zn vapor pressure ~3,000–5,000 Pa at 950 °C
4.1	Ultimate Vacuum (empty chamber)	≤ 5 Pa	Cold test condition
4.2	Vacuum Pumping Set	Roots pump + Rotary vane pump combination	2-stage; total displacement ≥ 600 m³/h
4.3	Roots Pump	ZI-600 or equivalent, 600 m³/h	Main pumping stage
4.4	Rotary Vane Pump (Backing)	2X-70 or equivalent, 70 L/s	Roughing and backing
4.5	Vacuum Gauge	Pirani + Compound resistance gauge	0.1 Pa – 10 ⁵ Pa range
4.6	Vacuum Sealing	Fluororubber O-rings + water-cooled flanges	Rated to 200 °C
5	Cooling Water System	100 T/h (100 m³/h) total flow	Closed-loop deionized water
5.1	Water Inlet Temperature	≤ 35 °C	
5.2	Water Outlet Temperature	≤ 55 °C	Heat exchanger to plant cooling tower
5.3	Water Pressure	0.25 – 0.4 MPa	Differential pressure switch interlock
5.4	Water Conductivity	≤ 20 µS/cm	Deionized; monthly check required
5.5	Cooling Zones	Induction coil, condenser, furnace shell, vacuum	5 independent cooling circuits
6	Distillation Cycle Time	3.0 – 4.5 hours per batch	Cold charge to fully separated Zn product

ZINC RECYCLING VACUUM DISTILLATION FURNACE

No.	Parameter	Specification	Notes
6.1	Heating-Up Phase	60 – 90 min	Ambient to 950 °C under vacuum
6.2	Distillation / Evaporation Phase	90 – 150 min	Zn vapor migration and condensation
6.3	Cooling and Tap Phase	30 – 60 min	Before chamber opening
6.4	Daily Production Capacity	5 – 7 batches per day (3-shift operation)	Equivalent to 10-15 tons material throughput
7	Zinc Recovery Purity	95% – 97% Zn typical	Higher purity achievable with cleaner input material
7.1	Material Purity Dependency	Input alloy purity directly affects output	Pure brass scrap → ≥97% Zn; mixed scrap → 95-96% Zn
7.2	Zinc Ingot Form	Solid cast ingot at condenser collection chamber	Ingot weight 200-500 kg per batch
7.3	Residual Cu-Rich Matrix Purity	95-99% Cu remaining in crucible	Suitable for re-melting and refining
7.4	Zinc Recovery Rate	≥ 92% by mass	Process efficiency on Zn fraction of charge
8	Overall System Dimensions and Weight		Estimated based on similar capacity systems
8.1	Total System Weight	~22 – 25 Tons	Including power supply, furnace body, vacuum system, condenser
8.2	Furnace Body Dimensions (L×W×H)	2.8 m × 2.4 m × 4.2 m	Vacuum chamber assembly
8.3	Power Cabinet Dimensions (L×W×H)	2.2 m × 1.0 m × 2.0 m	Separate cabinet enclosure
8.4	Vacuum Pump Skid (L×W×H)	2.5 m × 1.5 m × 1.8 m	Roots + rotary skid
8.5	Condenser Unit (L×W×H)	1.8 m × 1.2 m × 2.5 m	Water-cooled Zn vapor condenser
8.6	Total Footprint (system)	~ 45 – 55 m ²	Layout-dependent
8.7	Minimum Workshop Headroom	≥ 6 meters	For crucible loading and crane access

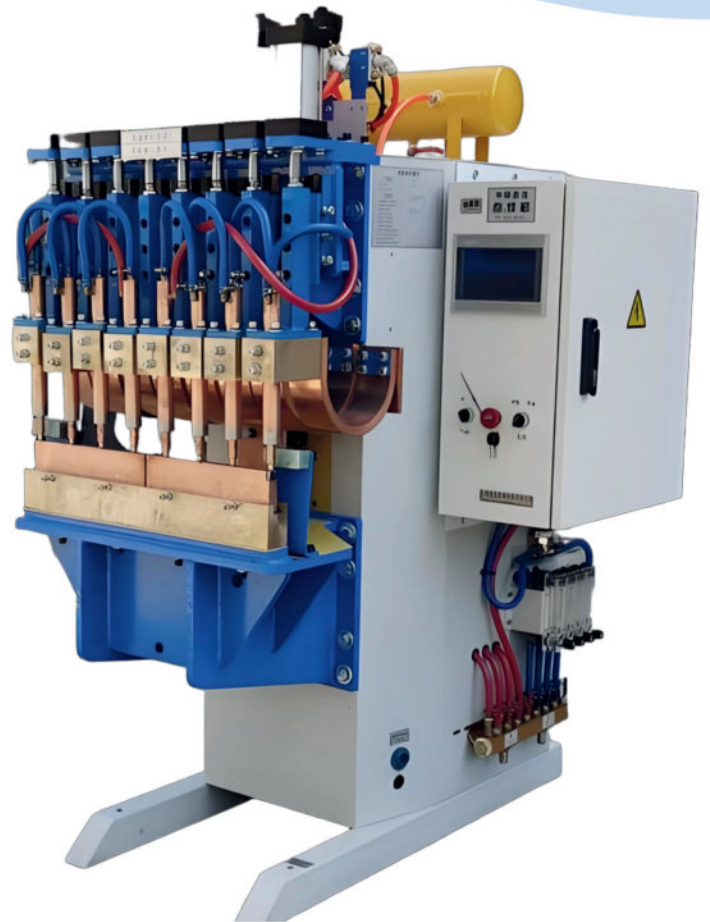
ZINC RECYCLING VACUUM DISTILLATION FURNACE



SEAM WELDER -- SPOT WELDING MACHINE

Technical Parameter								
Model	Input voltage /V	Rated capacity /KVA	Rated Frequency /HZ	Rated duty cycle /%	Arm Length /MM	Electrode stroke /MM	Cooling water consumption /L/min	Max welding capacity (low carbon steel two block welding) /MM
FN-25	380V	25	50/60	50	350	50	20	0.3+0.3
FN-40		40			350	50	30	0.6+0.6
FN-50		50			380	60	30	0.8+0.8
FN-63		63			380	60	30	1.0+1.0
FN-80		80			400	75	30	1.2+1.2
FN-100		100			400	75	40	1.5+1.5
FN-160		160			400	75	40	1.8+1.8
FN-200		200			400	75	40	2.0+2.0

SEAM WELDER -- SPOT WELDING MACHINE



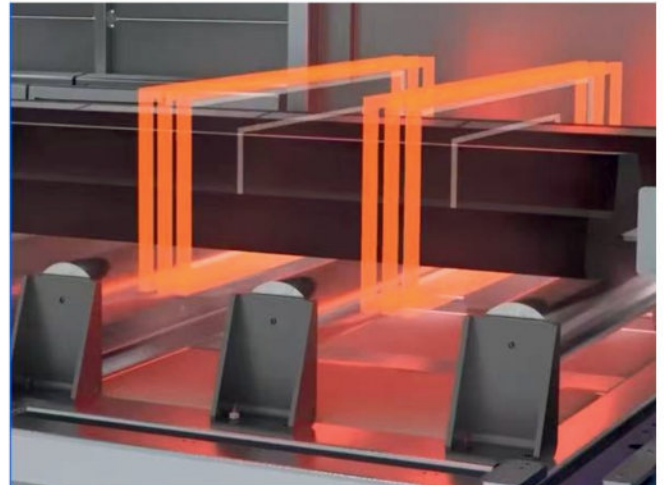
CUSTOMIZED HEATING MACHINE

--Waste Mill Liners Separation & Recycling Machine--

Parameter	Typical Range	Engineering Meaning
Machine Power	30 kW - 300 kW+	Determines processing speed, heating area, and suitable liner size
Frequency Range	1 kHz - 30 kHz	Lower frequency is preferred for thick steel backing plates
Input Voltage	3-phase 380 V / 415 V / 480 V / customizable	Matched to local plant electrical supply
Steel Plate Thickness	5 mm - 80 mm	Affects heating depth, power demand, and frequency selection
Rubber Thickness	10 mm - 250 mm+	Affects heat transfer time and peeling difficulty
Interface Temperature	Typically 150°C - 320°C	Process-dependent range for bond weakening
Steel Temperature	Typically 180°C - 400°C	Should be controlled to avoid warping and unnecessary oxidation
Heating Mode	Spot, strip, sectional, scanning, semi-automatic	Selected according to liner shape and daily capacity
Cooling Method	Water-cooled coil, cable, and power supply	Recommended for stable continuous recycling operation
Temperature Monitoring	Infrared sensor, thermocouple, thermal camera	Improves repeatability and reduces over-burning

CUSTOMIZED HEATING MACHINE

--Waste Mill Liners Separation & Recycling Machine--



CONTACT US

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Four major production plants:



Dongguan Plant

Qingdao Plant

Foshan Plant

Jiangxi Plant

