



# 安阳锻压

安阳锻压(集团)机械工业有限公司  
ANYANG FORGING PRESS (GROUP) MACHINERY  
INDUSTRY CO.,LTD



## Brief introduction

Anyang Forging Press(Group)Machinery Industry Co.,Ltd (original Anyang Forging Press Equipments Plant) is the biggest manufacturer of metal chip briquetting press and metal scrap baling press. Our company has 29 years history in producing metal chip briquetting press and metal scrap baling press. Our main products include hydraulic metal chip briquetting press, hydraulic metal scrap baling press,hydraulic forging press,hydraulic forging hammer,pneumatic forging hammer, hydraulic forging manipulator and hydraulic riveting machine etc.Our company has passed the ISO9001 Certificate. Also we have gotten the CE Certificate for metal chip briquetting press.

Till now,we have exported our metal chip briquetting press, metal scrap baling press and other products to Germany, USA,Candada,UK,Italy,Czech Republic,Australia,Norway,India ,Indonesia, Burma etc more than 60 countries .We have very good reputation among the customers all over the world .We have good quality and competitive price.

Our copany locates in Anyang city,Henan province,China. Our city is a famous historical and cultural city which has convenient transportation and hospitable people.We like doing business with the friends all over the world and hope we can develop our business together.



# Y83 series metal chip briquetting press



Y83 Metal chip briquetting press



conveyor



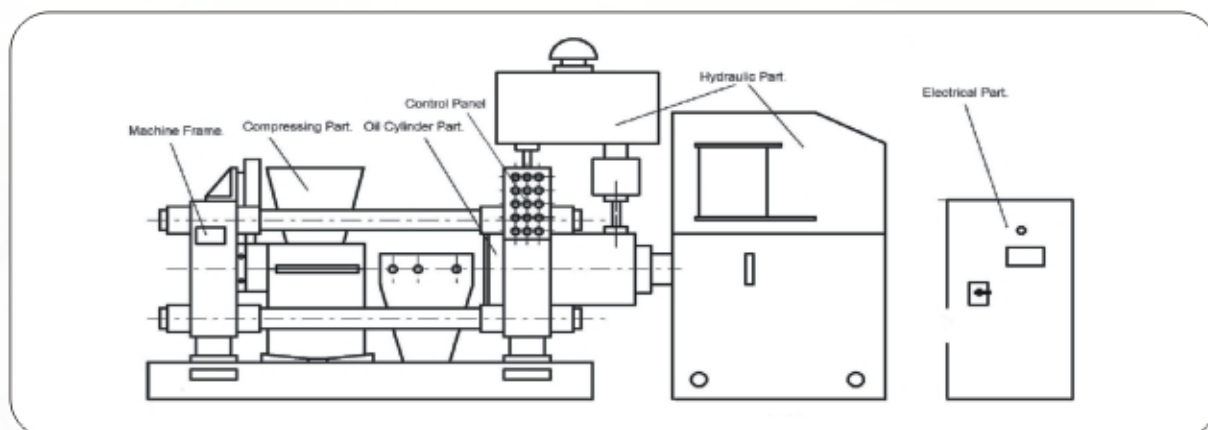
## The main technical features

- Electric part is manipulated by PLC system, the anti-interference is strong, automation is high and operation is simple.
- Hydraulic station is adopted the entirety-type integration valve block and large diameter cartridge inserted valve, which stops the oil leakage, lowers down the oil temperature of system, and enhances the stability of system.
- Body part is adopted the entirety cast steel products, stops the crack of steel plate weld assembly, and enhances the stability of machine and prolongs the longevity.
- Oil cylinder is adopted the tandem type cylinder, which enhances the velocity of movement and production efficiency.
- Conveyor and feeder are optional.

## The main technical parameter

Model	Y83-160	Y83-230	Y83-300
Nominal force (kn)	1600	2300	3000
Briquetting size(mm)	$\phi 90 \times (60-110)$	$\phi 110 \times (70-120)$	$\phi 120 \times (70-120)$
Briquetting density(kg/m <sup>3</sup> )	$\geq 5200-5400$	$\geq 5200-5400$	$\geq 5200-5400$
Working pressure(mpa)	16	23	21
Production Rate(ton/h)	0.6-0.9	1.0-1.5	1.2-1.8
Total Power(kw)	24.2	39.2	47.2
Machine weight(kg)	6000	7500	8800
Machine outside Size(mm)	4100X1086X2006	4100X1086X2006	5000X1600X2600
Cooler	electric-cooler	electric-cooler	electric-cooler
Feeder	option		
Conveyor	option		

## Y83 series metal chip briquetting press



### Adaptability

On the condition of not adding additive, the briquetting press can compress all kinds of particle and powder of cast iron, aluminum, copper, steel etc to be high density metal block. It can be put into blast furnace directly, decreased the cost dramatically.



Cast iron chip



Aluminium chip



Steel chip



Copper chip

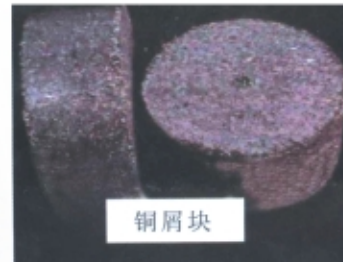


## Briquetting sample piece



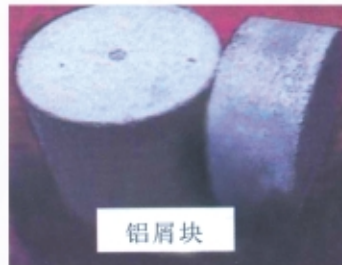
铸铁屑块

Cast iron chip block



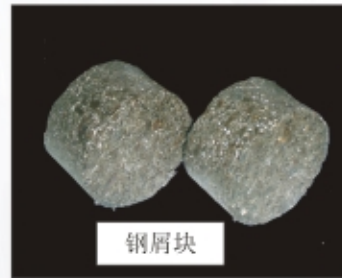
铜屑块

Copper chip block



铝屑块

Aluminum chip block



钢屑块

Steel chip block

### Briquetted Material Brings In More Money!

Why are briquettes more valuable than metal chips?

Briquettes have several advantages for the melter (foundry or smelter) that translate into more value. These advantages include:

1. Less surface area to oxidize and become slag. Because 90%+ of the briquette is submerged in the melt bath the material does not have a chance to become slag. This typically produces yields in the 94% to 96% range versus 45% to 80% for clean and dry turnings 2. Briquettes are drier than chips from a chip wringer. When chips from even the best wringer are briquetted there is still liquid to be pressed from the chips. Less liquid results in more value to the melter.

3. Briquettes are easier to handle both in transporting to the furnace and once in the furnace. It is easier to pick up blocks rather than chips. Handling losses are decreased. Because chips are light they can usually be pulled to the bag house rather than into the melt bath.



YA83 Metal chip briquetting press

Main Technical-features of vertical type briquetting press :

1. Do not need any other additive. The briquetting press can compress all kinds of partical and powder of cast iron, aluminum, copper, steel etc to be high density metal block.
2. Electric part is manipulated by manual or PLC system, strong anti-interference, automatic and easy operation.
3. Tandem type oil cylinder, high velocity of movement and productivity.
4. Entirety cast steel body avoids broken of welding structure, stable and long life.
5. Conveyor and feeder are option.
6. Save much place to lay the machine.

## The main technical parameter

Model	ID of main cylinder (mm)	Block size(mm)	Density of block(t/m <sup>3</sup> )	Weight/ piece(kg)	Pieces/ minute	Output rate per shift (t)	Power(kw)	Note
YA83-150	φ250	φ80×(60~80)	≥5	2~2.5	5	3~4	15	Manual
YA83-200A	φ280	φ80×(60~80)	≥5	2.5~3	5	4~6	15	Manual
YA83-200B	φ280	φ80×(60~80)	≥5	2.5~3	5	4~6	15	PLC
YA83-250	φ320	φ90×(60~80)	≥5.2	2.5~3	5	5~8	18.5	PLC
YA83-315	φ360	φ90~120×(60~100)	≥5.5~6	3~4	6~6.5	8~12	30	PLC
YA83-360	φ400	φ100~130×(60~100)	≥5.5~6	3~4.5	5~6	8~14	30	PLC
YA83-500	φ450	φ110~140×(80~120)	≥5.5~6	4~8	4~5	12~16	37	PLC
YA83-630	φ520	φ140~160×(80~150)	≥5.5~6	6~10	4~5	16~20	45	PLC

# Y81 series hydraulic metal scrap baling press



## Adaptability

- Y81 series hydraulic metal scrap baling press is mainly used in compressing the scattered plastic ferrous metal and non-ferrous metal plates and wire rod to certain form block under cold state. It is very convenient to transport and melt.
- The baling press is adopted the electro hydraulic drive, it includes manual and automatic control, the operation is convenient, performance is reliable. The baled block can be pushed out from side. The baled block can be transported directly, to save the manual loading.

## The main technical parameter

Parameter	Unit	Model							
		Y81-63	Y81-100	Y81-130	Y81-160	Y81-250	Y81-315	Y81-400	Y81-600
Nominal force	kn	630	1000	1300	1600	2500	3150	4000	6000
Scrap bin size	mm	750 × 500 × 350	1000 × 700 × 550	1200 × 700 × 550	1200 × 700 × 550	2000 × 1200 × 800	2000 × 1400 × 1200	2500 × 1600 × 1200	2800 × 2000 × 1200
Baled block size	mm	180 × 180	300 × 300 250 × 250 220 × 220 200 × 200	300 × 300 250 × 250 220 × 220 200 × 200	300 × 300	450 × 450	450 × 500	500 × 600	600 × 700
Baled block density	ton/m <sup>3</sup>	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
Machine circle time	s	120	120	120	120	240 200	150	150	180
Motor power	kw	7.5	11	15	18.5/22	30	37	44	90
Machine weight	ton	3	5.5	6	8	28	32	40	90





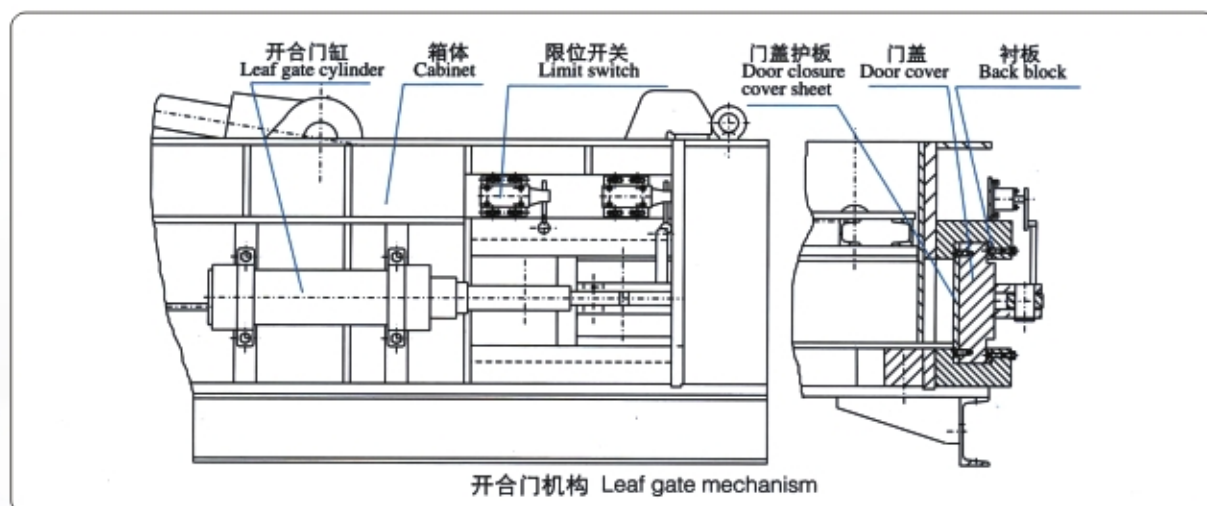
## The technical features of baling press

- The density of baling block is 2T/M according to the requirement in third grade in conformity with GB4223-84 Recycle Carbon Scrap Steel Category & Technique Terms.
- The hydraulic components in conformity with the JB2131-77 Hydraulic Components Technique Terms.
- The electric mechanism in conformity with GB5226-85 Machine Tool Electric Mechanism Technique Terms.
- The safety and stability of machine run and manual operation in conformity with JB4203-86.

part metal scrap baled to metal block

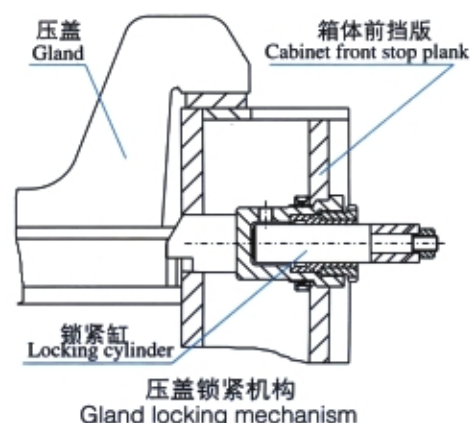
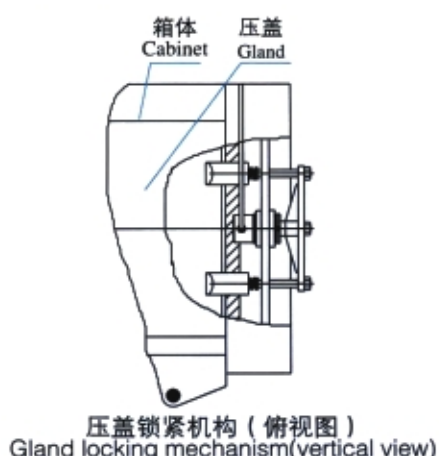






## The technical features of baling press

- The hydraulic station is adopted the entirety type valve block, and its volume is small, and realized the partial non-pipe design, and it decreases the leakage.
- The control valve is adopted good quality valves, changeover is stable and flexible, and noise is low.
- Optimizing the system design, assuring the oil temperature is not less than 55°C.
- The machine is driven by manual or PLC automatically controlled.
- Discharge mode is used turn bag, push bag, fore push bag.
- The machine can be laid in the flattening concrete floor, and it doesn't need the foundation.





## Partial customers of metal chip briquetting press & metal scrap baling press



Y83-300 Metal chip briquetting press  
working in Mexico customer factory



Y83-300 Metal chip briquetting press  
working in USA customer factory



Y83-300 Metal chip briquetting press  
working in UK customer factory



Y83-230 Metal chip briquetting press  
working in Thailand customer factory



Y83-230 Metal chip briquetting press  
working in Egypt customer factory



Y83-230 Metal chip briquetting press  
for Germany customer



YA83-630 Metal chip briquetting  
press for Mexico customer



Y81-250 Metal scrap baling press in testing



Y81-100 Metal scrap baling press in testing





Briquetting Press are assembling



Briquetting Press are assembling



Briquetting Press are assembling



Briquetting Press are assembling



Baling Press are assembling



Baling Press are assembling



Baling Press are assembling



Baling Press are assembling



Baling Press are assembling



## WORLD SALE MAP

United States  
Japan  
Germany  
France  
Brazil  
United Kingdom  
Italy  
Russia  
India  
Canada  
Spain  
Australia  
Mexico  
South Korea  
Netherlands  
Indonesia  
Turkey  
Switzerland  
Sweden  
United Arab Emirates

Czech  
Philippines  
Pakistan  
Romania  
New Zealand  
Peru  
Ukraine  
Vietnam  
Bangladesh  
Morocco  
Croatia  
Sudan  
Sri Lanka  
Bulgaria  
Slovenia  
Burma  
Kenya  
North Korea  
Bhutan  
Poland

Uzbekistan  
Belgium  
Taiwan  
Iran  
Norway  
Argentina  
Austria  
South Africa  
Denmark  
Thailand  
Columbia  
Venezuela  
Finland  
Singapore  
Malaysia  
Nigeria  
Israel  
Chile  
Portugal  
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