



# **Charcoal Briquette Machines**

————Zhengzhou Runxiang Machinery Equipment Co.,ltd.



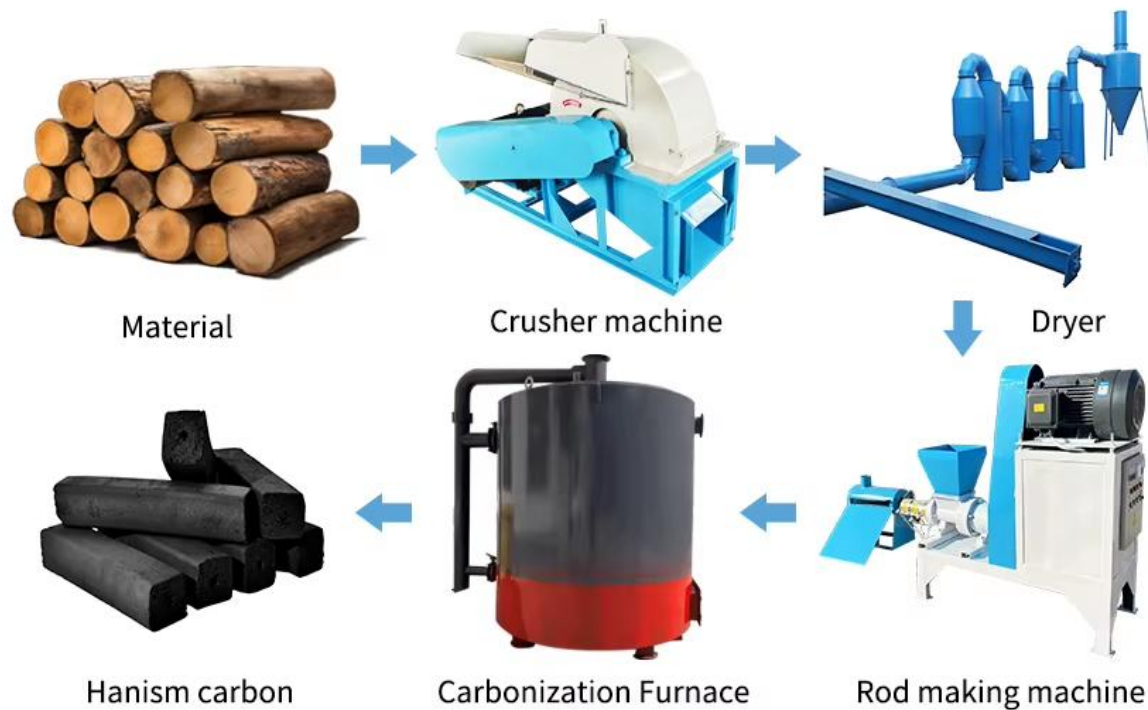
# PART 01

## **Product Introduction**



# Type

## Charcoal Briquette Machines Line



The production line of machine to make sawdust briquettes to make charcoal is:

Crusher

(crush the wood into **less than 5mm particles**)

→

Dryer

(the dryer can be rotary dryer or sawdust dryer which are drying the small particles to **less than 12% moisture**)

→

energy-saving wood sawdust briquetting presses machine

(make the small dry particles into wood briquettes)

→

Carbonization furnace (carbonize the wood briquettes into charcoal briquettes).



# Size



|   | Name                             |                                  | Model     | Power | Capacity   | Weight  | Size           | Price  |
|---|----------------------------------|----------------------------------|-----------|-------|------------|---------|----------------|--------|
| 1 | Crusher machine                  |                                  | WSBX-420  | 7.5KW | 1000kg     | 300KG   | 1.5*0.57*1.05m | \$950  |
| 2 | Drying machine                   |                                  | WSD-8     | 4KW   | 300-500kg  | 1300KG  | 2.5*1.05*1.3m  | \$3000 |
| 3 | Wood sawdust briquetting machine |                                  | RX-50     | 22KW  | 400kg      | 700KG   | 1.6*0.65*1.7m  | \$3200 |
| 4 | Carbonization furnace            | Horizontal carbonization furnace | RXTH-03   | /     | 800-1000kg | 2.5Tons | 3*1.7*2.1m     | \$7700 |
|   |                                  | Vertical carbonization furnace   | RXTH-1800 | /     | 800-1000kg | 2.5Tons | 2*2*2.2m       | \$4400 |



# Capacity



## 50-model Wood Sawdust Briquetting Machine



Motor Model



Diesel engine model



# Size



| Name                             | Model | Power  | Capacity | Weight | Size          | Price  |
|----------------------------------|-------|--------|----------|--------|---------------|--------|
| Wood Sawdust Briquetting Machine | RX-50 | 18.5KW | 400kg/h  | 700KG  | 1.7*0.65*1.7m | \$3000 |
|                                  | RX-70 | 22KW   | 500kg/h  | 800KG  | 1.9*0.8*1.8m  | \$3200 |
|                                  | RX-80 | 22KW   | 800kg/h  | 900KG  | 1.9*0.8*1.9m  | \$3600 |





# • Require of material

The raw materials can be various biomass wastes, such as sawdust, wood chips, and peanut husk, coconut shell, rice husk and so on.





# • Finished Product

The outlet briquettes has the features of high density, small volume, good flammability, which can take place of fuel wood and coal.





# • Application

The carbonized wood sawdust briquettes can be used as environmentally friendly barbecue charcoal, industrial fuel, soil conditioner or water treatment adsorbent.



Industrial



Barbecue



Heating



Cook a meal





# • Detailed Production Step:Charcoal Briquette

## Step 1: Wood Crusher

This machine can process various wood, wood chips, branches, wood chips, board ornaments, bark, bamboo skin and other raw materials into sawdust and wood fiber products at one time. It can also be used for fragments of fiber rod materials such as bamboo, thatch, corn stalks, sorghum stalks, etc.

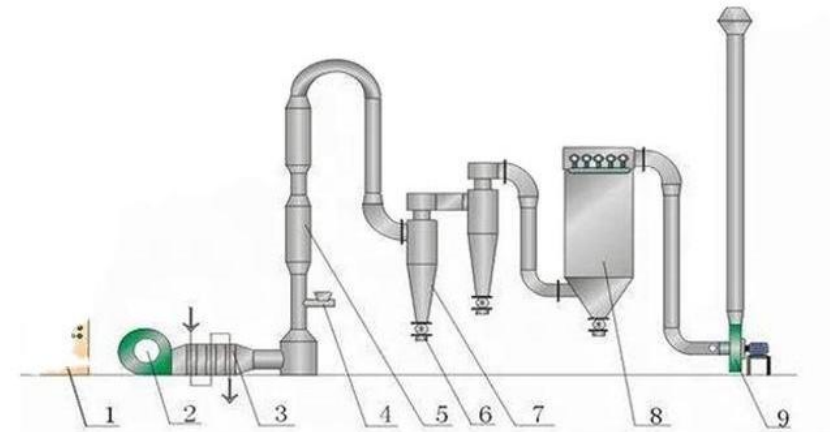




# • Detailed Production Step:Charcoal Briquette

## Step 2: Wood Sawdust Dryer Machine

It can dry the materials mainly using the hot wind produced by the hot blast stove, the machine is applied to the material in dispersed state which contains high moisture humidity, such as the saw dust, grain or straw.



1、Electric control cabinet 2、Blower 3、Heater 4、spiral feeder 5、Drying main tube  
6、Closing wind device 7、Cyclone Dust collector 8、Dust collector 9、Induced draft fan

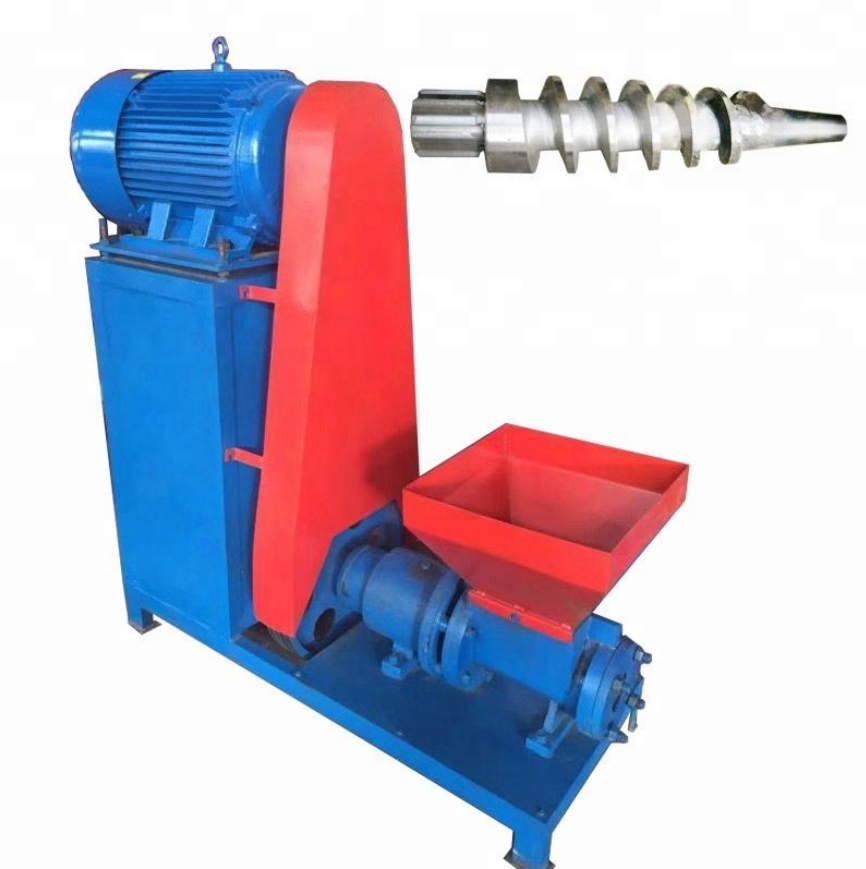




# • Detailed Production Step:Charcoal Briquette

## Step 3: 1. Wood Sawdust Briquetting Machine

Machine to make sawdust briquettes takes olive husk, wood, rice husk, peanut shell, plant stalk, and other woodiness carbon containing materials as feeding materials ( no any additives) to make stick shape briquettes under the condition of high pressure and temperature.





# • Detailed Production Step:Charcoal Briquette

## Step 3: 2. Final Products

The common diameter of briquettes is 50-80mm, and the shape can be square, rectangular, round with a hole in the center.

quadrilateral



hexagon



Square



Hexagonal



Nine-sided shape



Square



Hexagonal



Nine-sided shape





# • Detailed Production Step:Charcoal Briquette

## Step 3: 3. Machine Details



Thickened steel  
six-sided forming cylinder



Aluminum casting heating ring  
twice the service life of ordinary ones



Lengthened, widened and  
deepened steel inlet



5mm thick steel plate of  
machine body



High temperature resistant  
Q235 steel screw propeller



Rolling bearings with low friction  
coefficient and heat generation



Three-layers spray paint  
colors can be customized



China top WuXing engine  
pure copper coil

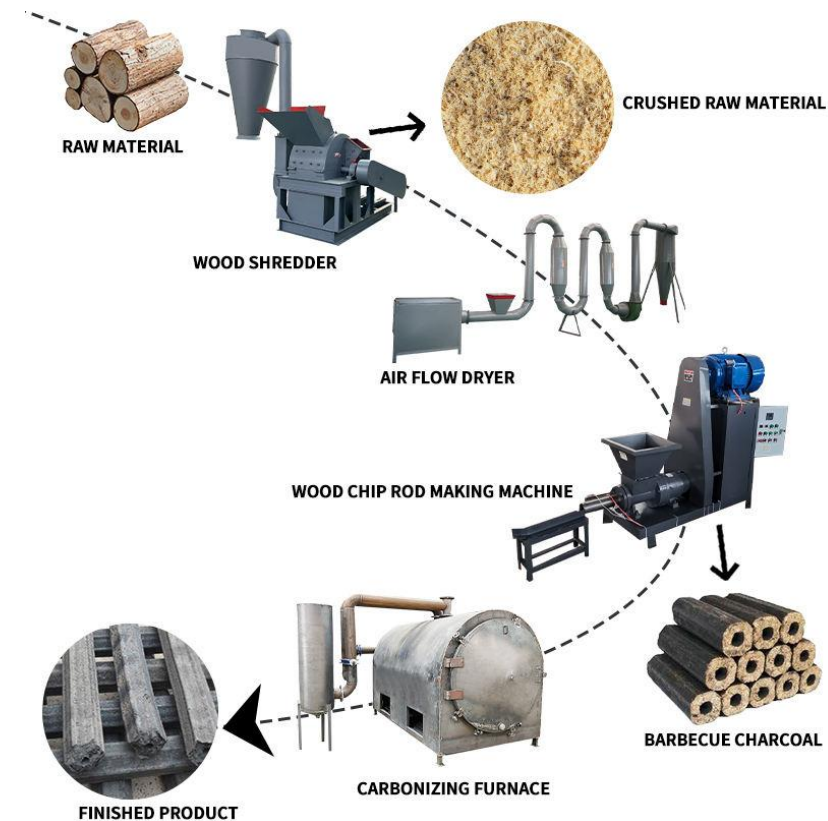
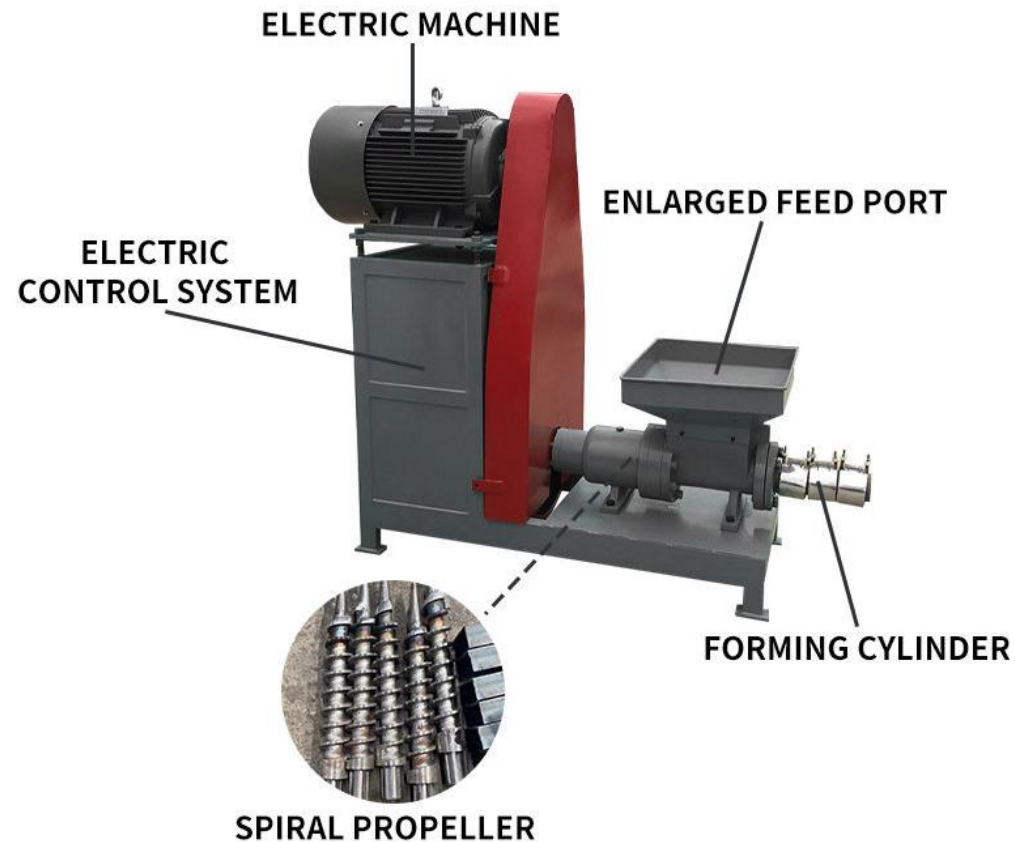




# • Detailed Production Step:Charcoal Briquette

## Step 3: 4. Work Principle

The working principle is to put sawdust into the machine, and the screw pushes the material into the sleeve. After high temperature and high pressure, the raw material is extruded into different shapes





# • Detailed Production Step: Charcoal Briquette

## Step 4: Carbonizing

### Type 1: Horizontal carbonization furnace

This machine is used to carbonize the Larger Biomass materials into charcoal. It is equipped with hyperploid high temperature steam cooling system, and the process of cooling can be accelerated to speed up the period of the production.



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# • Detailed Production Step:Charcoal Briquette

## Step 4: **Type 2: Vertical carbonization furnace**

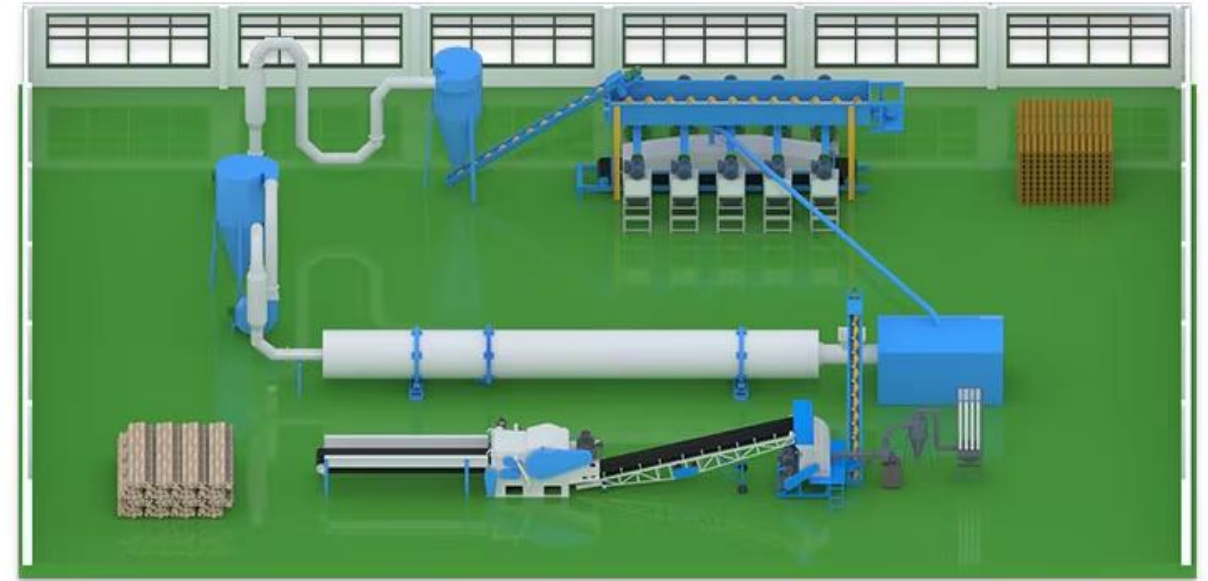
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# • Packing -- carton Packing



# • Require of warehouse space

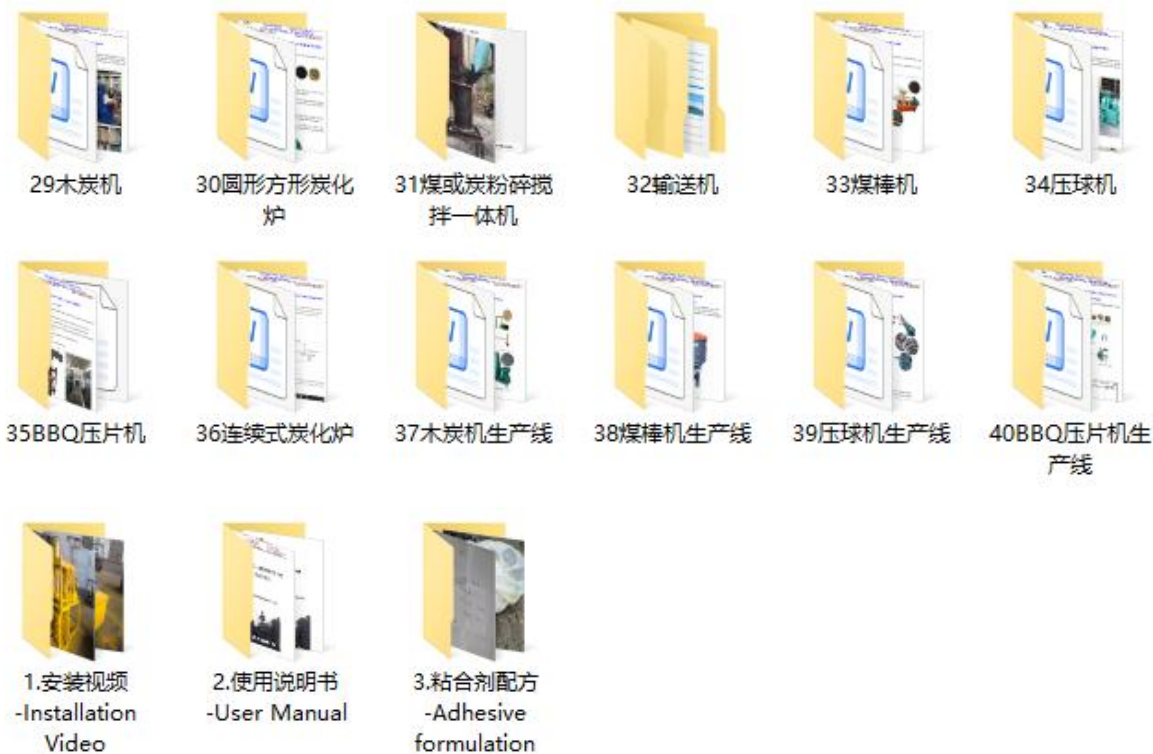


Produce the briquette&stock the raw material,need prepare **300-500 square meters** space at least !





# • Require of workers operation



**Note:** Please use gear oil ! before using the machine

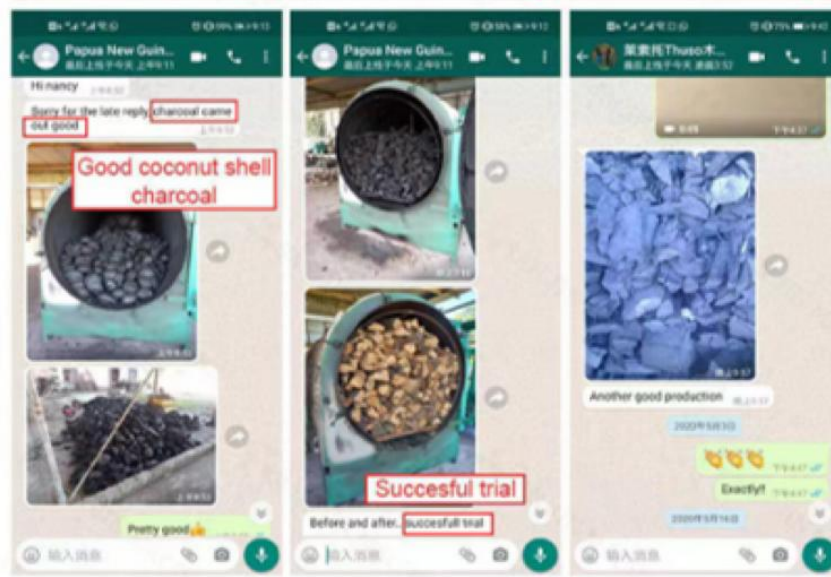
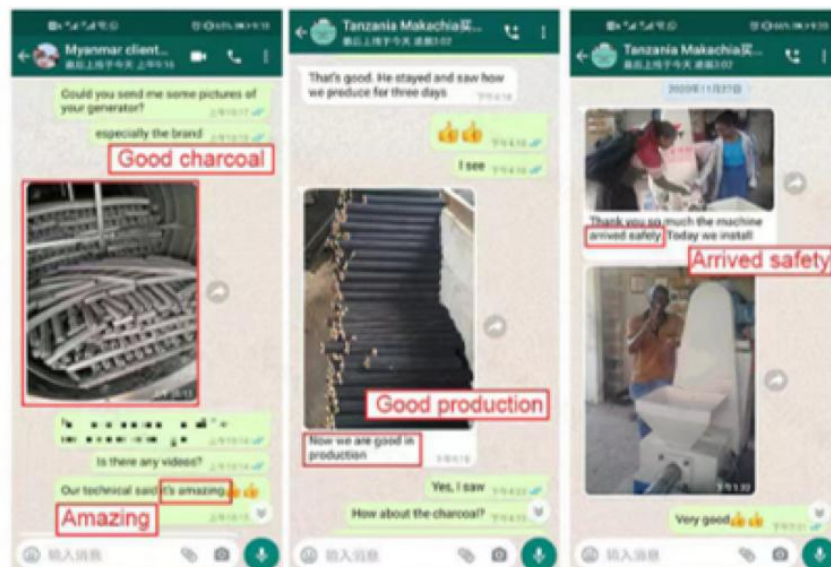
01. 3-4 workers operate the machines is ok, machines are easy to install and operate !
02. Women or Man both can operate it
03. Details operation video will provided
04. Provide technical guide online

Note: No need our engineer coming ! Because machines are easy to operate !!! We will help you as long as you need !



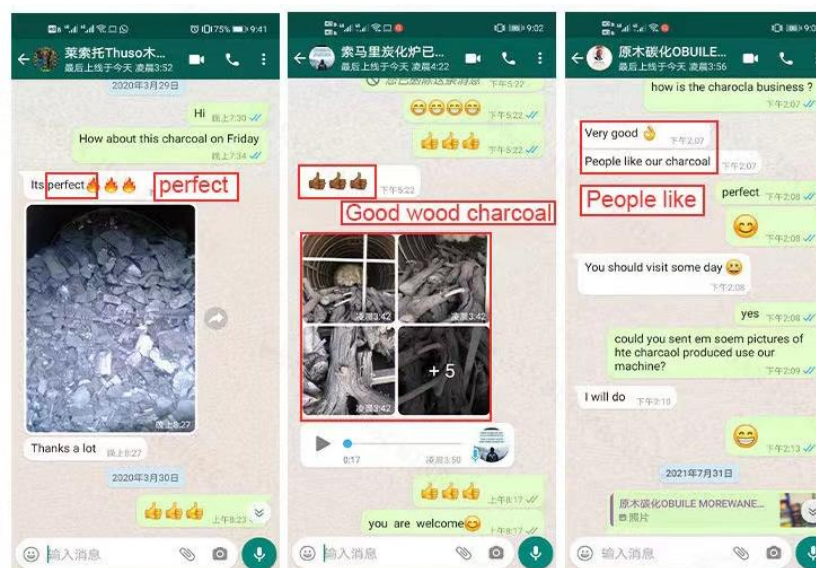
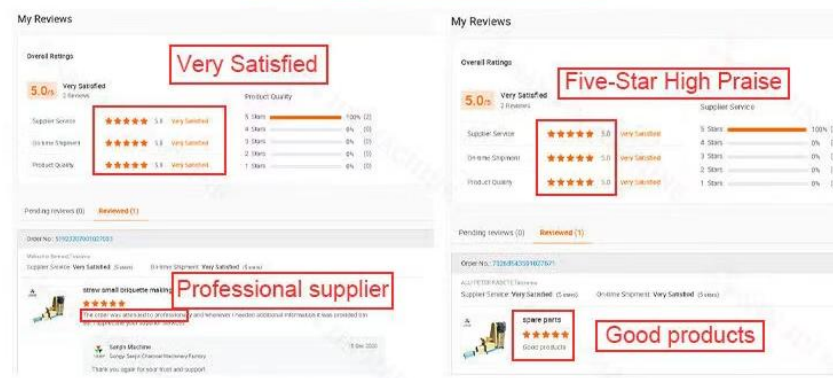


# • Customers Feedback

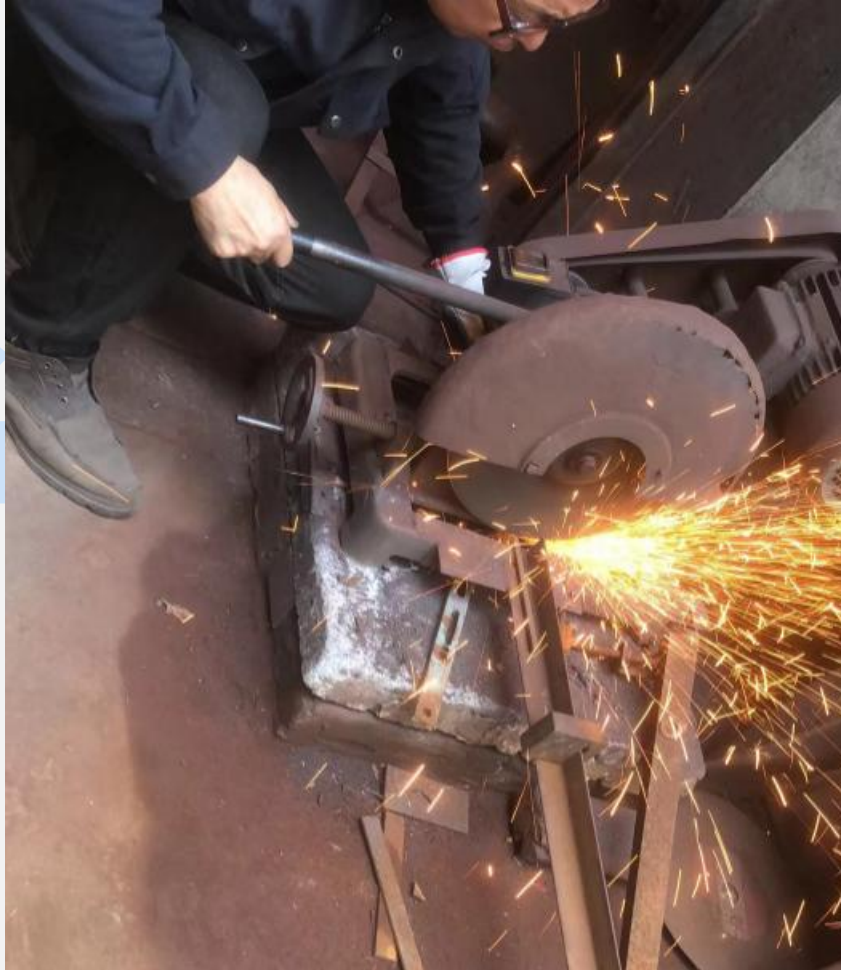


## CUSTOMER FAVORABLE COMMENT

It's really **Good** for the customer to say **Yes!**  
Contacting records with Customers

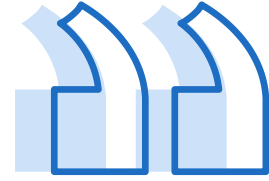


# 1. Personnel Control System





## 2. Packing Options



After the machine test is completed, we will wrap the machine with plastic wrap to avoid scratches



Whole Container without wooden case packing



1set machine/package  
Wooden Case Packing



### 3. Warehousing System-Finished Products

- ❑ Stock customers machines order in clean and sunny warehouse



- ❑ Shipping by whole container without wooden case packing



## 4. Personnel



- 10 years of import and export experience
- Rich experience Equipment maintenance engineers
- Perfect staff training machine



## 5.Contact Information



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Zhengzhou Runxiang Machinery  
Equipment Co.,Ltd(sales department)





**THANK YOU  
FOR WATCHING**

——Zhengzhou Runxiang Machinery Equipment Co.,Ltd.

2025/8/14

