

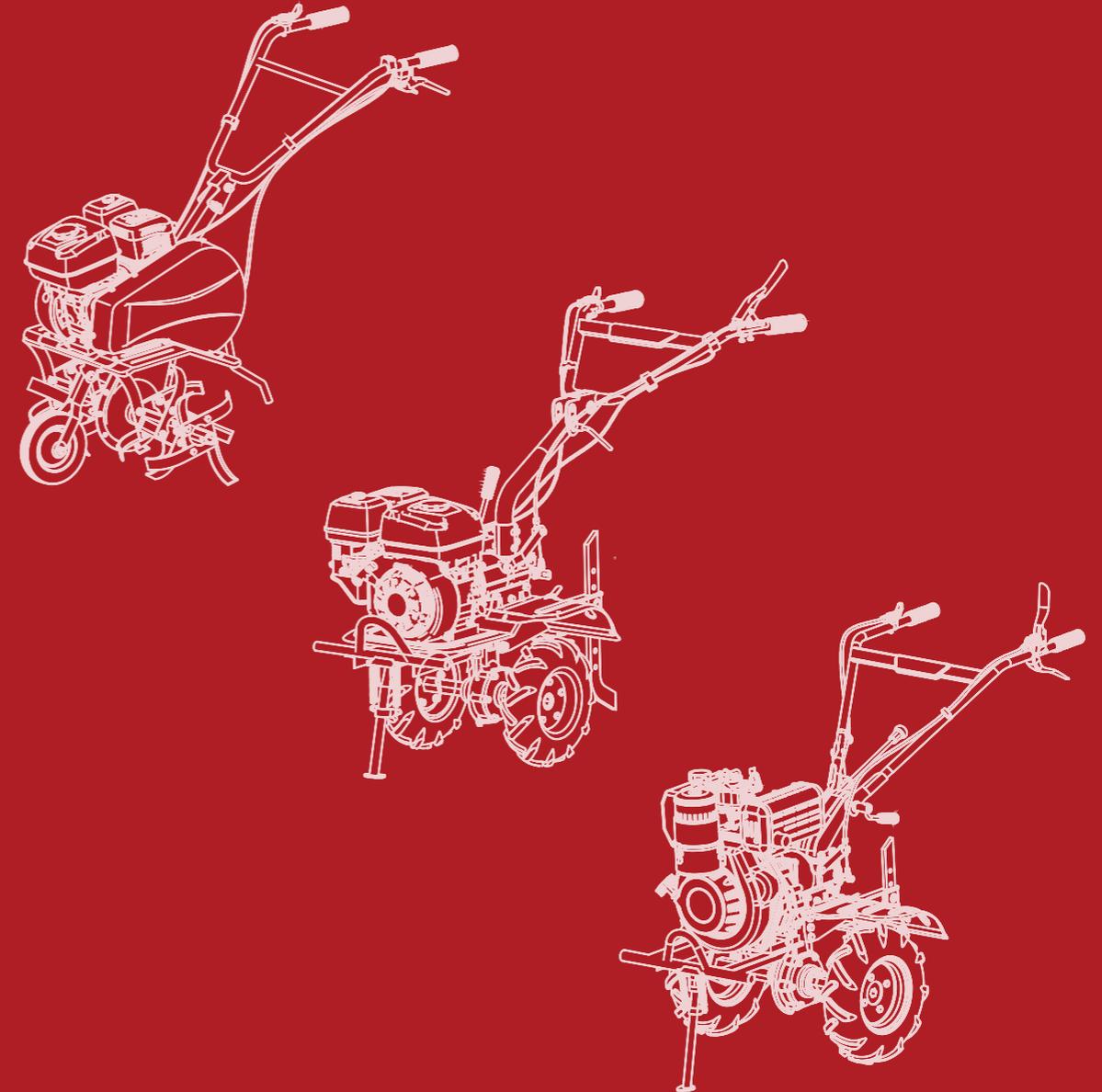
**TAIZHOU BISON MACHINERY CO.,LTD.**

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**MACHINERY**

# PRODUCTS ALBUM

**MULTIFUNCTIONAL AGRICULTURAL MACHINE**



# ABOUT US

## TAIZHOU BISON MACHINERY INDUSTRY CO.,LTD

Bison is one of the Chinese leading manufacturers of Cultivators, Water Pumps and Generators. BISON brand has won its reputation among the areas like South America, Europe, Africa, Southeast Asia, by supplying qualified products and professional services.

Bison power believe that quantity comes from being well-equipped, profit comes from being well-managed, successful marketing comes from being well-researched, and successful branding comes from cooperation. "Devoted to quality and service for survival" is a consistent tenet of Bison Power. Our goal is to promptly provide products that meet and exceed customers' expectations. BISON power will become a well-known brand of small household machinery in the world.

### 2015

THE COMPANY WAS ESTABLISHED IN 2015

### 450,000,000

450 MILLION IN 2022

### 15,000M<sup>2</sup>

IN 2019, THE PRODUCTION WORKSHOP WAS EXPANDED TO MORE THAN 15,000M<sup>2</sup> SQUARE METERS



## QUALIFICATION CERTIFICATE



We are approved by ISO9001, ISO14001 and have got the certificates for CE, Rohs 2.0, Euro V, EPA 3, GS ...

## International Sales Channel



Shineray products and service have expands to more than 80 countries.

## R&D AND QUALITY CONTROL

- **R&D:**  
Independent R&D institute and laboratory.
- **Quality Control:**  
Complete and valid quality control by ISO9001 and ISO14001.





**GASOLINE**

Model:	BS800FG-A
Engine type	170F
Rated RPM(r/min)	3600
Rated output(kW)	4.0
Dimension(L*W*H)(mm)	840*460*660
Transmission type	Chain Transmission
Clutch type	belt tension clutch
Gears	-1 / 1
Output shaft	23mm
Output speed(r/min)	Forwarder speed : 170 / Reverse speed : 57
Net weight(kg)	58
Tillage width(mm)	800
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40

Optional configuration



Trimming Wheel



Furrow opener



Adjustable furrow opener



Digger

**Model BS800FG-A**

Gears: -1 / 1

Rated RPM: 3600rpm

STANDARD CONFIGURATION



3-4 Blade



Front wheel



# Model BS950FG-B

Gears: -1 / 0 / 1 / 2  
 Rated RPM: 3600rpm



**STANDARD CONFIGURATION**

3-4 Blade

3.50-6/4.00-8 Tire

**Optional configuration**

Trimming Wheel    Furrow Plough

Ditcher    Potato Plow

Unilateral Plow    Herringbone Crawling Iron Wheel

## GASOLINE

Model:	BS1000FG-C
Engine type	170F
Rated RPM(r/min)	3600
Rated output(kW)	4.0
Dimension(L*W*H)(mm)	845*460*660
Transmission type	Belt+Chain rotation
Gears	1 / 2 / 0 / -1
Output shaft	23mm
Output speed(r/min)	Low Speed:83 High Speed:145
Net weight(kg)	70
Tillage width(mm)	1000
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤30
Container Capacity	40

### Optional configuration

Trimming Wheel

Ditcher

Unilateral Plow

Furrow Plough

Potato Plow

Herringbone Crawling Iron Wheel

## GASOLINE

Model:	BS950FG-B1	BS950FG-B2
Box material	Aluminum Box(tension)	Iron Cast Box(tension)
Chain Number	50	52
Engine type	170F	170F
Rated RPM(r/min)	3600	3600
Rated output(kW)	4	4
Dimension(L*W*H)(mm)	840*460*660	840*460*660
Transmission type	Chain Transmission	Chain Transmission
Clutch type	Belt tension clutch	Belt tension clutch
Gears	-1 / 0 / 1 / 2	-1 / 0 / 1 / 2
Output shaft	23mm	23mm
Output speed(r/min)	Low Speed:103 High Speed:141	
Net weight(kg)	53	77
Tillage width(mm)	950	950
Tillage depth(mm)	≥100	≥100
Working speed(m/s)	0.1-0.3	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35	≤35
Container Capacity	40	40

# Model BS1000FG-C

Gears: 1 / 2 / 0 / -1  
 Rated RPM: 3600rpm



**STANDARD CONFIGURATION**

3-4 Blade

3.50-6 Tire



Optional configuration



Trimming Wheel



Ditcher



Unilateral Plow



Furrow Plough



Potato Plow



Herringbone Crawling Iron Wheel



Weeding Wheel



Trailer

GASOLINE

**Model:** BS1000FG

Engine type	170F
Rated RPM(r/min)	3600
Rated output(kW)	4
Dimention(L*W*H)(mm)	840*460*660
Transmissioin type	Gear Transmission
Clutch type	Wet friction disc clutch
Gears	-1 / 0 / 1 / 2
Output shaft	23mm
Output speed(r/min)	Low Speed :83 High speed :127
Net weight(kg)	79
Tillage width(mm)	1000
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40

**Model** BS1000FG

Gears: -1 / 0 / 1 / 2  
 Rated RPM: 3600rpm

STANDARD CONFIGURATION



3-4 Blade



4.00-8 Tire



**GASOLINE**

<b>Model:</b>	<b>BS1050FG</b>
Engine type	177F
Rated RPM(r/min)	3600
Rated output(kW)	4.5
Dimension(L*W*H)(mm)	970*565*845
Transmission type	Gear Transmission
Clutch type	Friction Plate Clutch
Gears	-1 / 0 / 1 / 2
Output shaft	23mm
Output speed(r/min)	Low Speed : 83 High speed : 145
Net weight(kg)	110
Tillage width(mm)	1050
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40



**Model BS1050FG**

**Gears: -1 / 0 / 1 / 2**  
**Rated RPM: 3600rpm**

**STANDARD CONFIGURATION**



4-4 Blade



4.00-8 Tire

**Optional configuration**



Trimming Wheel



Furrow Plough



Ditcher



Potato Plow



Unilateral Plow



Herringbone Crawling Iron Wheel

**Model BS1350FG**

**Gears: -1 / 0 / 1 / 2**  
**Rated RPM: 3600rpm**

**STANDARD CONFIGURATION**



4-(4+1) Blade



4.00-8 Tire



**GASOLINE**

<b>Model:</b>	<b>BS1350FG</b>
Engine type	188F
Rated RPM(r/min)	3600
Rated output(kW)	6.5
Dimension(L*W*H)(mm)	970*565*845
Transmission type	Gear Transmission
Clutch type	Wet friction disc clutch
Gears	-1 / 0 / 1 / 2
Output shaft	32mm
Output speed(r/min)	Low Speed : 83 High speed : 145
Net weight(kg)	110
Tillage width(mm)	1350
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40

**Optional configuration**



Trimming Wheel



Ditcher



Unilateral Plow



Furrow Plough



Potato Plow



Herringbone Crawling Iron Wheel

**Model BS1100FD**

Gears: -1 / 0 / 1 / 2  
Rated RPM: 3600rpm



**STANDARD CONFIGURATION**



3-4 | 4-4 | 4-5 Blade



4.00-8 Tire

**Optional configuration**



Trimming Wheel



Furrow Plough



Ditcher



Potato Plow



Unilateral Plow



Herringbone Crawling Iron Wheel



Weeding Wheel



Trailer

# New Design

**Model BS1350FD-FS**

Gears: -1 / 0 / 1 / 2  
Rated RPM: 3600rpm



**DEISEL**

Model:	BS1000FD	BS1100FD	BS1350FD
Engine type	173F	178F	186FA
Rated RPM(r/min)	3600	3600	3600
Rated output(kW)	4.05	4.0	6.5
Dimension(L*W*H)(mm)	840*460*660	970*565*845	970*565*845
Transmission type	Gear Transmission	Gear Transmission	Gear Transmission
Clutch type	Friction Plate Clutch	Friction Plate Clutch	Friction Plate Clutch
Gears	-1 / 0 / 1 / 2	-1 / 0 / 1 / 2	-1 / 0 / 1 / 2
Output shaft	23mm	32mm	32mm
Output speed(r/min)	Low Speed:93 High Speed:130	Low Speed:83 High speed:145	
Net weight(kg)	98	109	122
Tillage width(mm)	1000	1100	1350
Tillage depth(mm)	≥100	≥100	≥100
Working speed(m/s)	0.1-0.3	0.1-0.3	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04	≥0.04	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤30	≤30	≤30
Container Capacity 40	264	144	144

# AGRICULTURAL MACHINERY

1. Lightweight and compact, easy to operate and transport.
2. Adjustable fender, suitable for narrow spacing work.
3. Small size, 420 sets loading number, saving transportation costs.



## GASOLINE

**Model:** BS450FG

Engine type	BV175J
Rated RPM(r/min)	3600
Rated output(kW)	3.1
Dimension(L*W*H)(mm)	550×430×660
Transmission type	Gear Transmission
Clutch type	Hoop Friction clutch
Gears	1
Output shaft	18mm
Output speed(r/min)	216
Net weight(kg)	29
Tillage width(mm)	350/550
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	420

### Optional configuration



3.50-6/4.00-8 Tire



Ditcher



Weeding Wheel



Paddy Field Wheel

## Model BS450FG

Gears: 1  
Rated RPM: 3600rpm

### STANDARD CONFIGURATION



3-4 Blade



Rear-wheel





## HIGH WORKING EFFICIENCY

Small size, light weight  
More suitable for paddy field operation

### GASOLINE

Model:	BS950FG
Engine type	170F
Rated RPM(r/min)	3600
Rated output(kW)	4
Dimension(L*W*H)(mm)	840*460*660
Transmission type	Gear Transmission
Clutch type	Wet friction disc clutch
Gear shifting	-1 / 0 / 1 / 2
Output shaft	23mm
Output speed(r/min)	Low Speed: 100 High speed: 150 Reverse speed: 60
Net weight(kg)	40
Tillage width(mm)	800
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40

#### Optional configuration



Trimming Wheel



Ditcher



Unilateral Plow



Adjustable furrow opener



Potato Plow



Herringbone Crawling Iron Wheel



Weeding Wheel



Trailer

## Model BS950FG

Gears: -1 / 0 / 1 / 2  
Rated RPM: 3600rpm

#### STANDARD CONFIGURATION



3-4 Blade



3.50-4.00 Tire



# PUMP QUICK CONNECTOR

Pump quick connector, quick installation, solve your water troubles.



# Model BS1350FD

Gears: -1 / 0 / 2 / 0 / 1  
Rated RPM: 3600rpm



### STANDARD CONFIGURATION



5-4 Blade



4.00-8 Tire

### DEISEL

**Model:** BS1350FD

Engine type	186FA
Rated RPM(r/min)	3600
Rated output(kW)	6.3
Dimension(L*W*H)(mm)	970*565*845
Transmission type	Wet friction disc clutch
Clutch type	Gear Transmission
Gears	-1 / 0 / 2 / 0 / 1
Output shaft	32mm
Output speed(r/min)	71 / 0 / 141 / 0 / 100
Net weight(kg)	140
Tillage width(mm)	1350
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(h <sup>m</sup> /h.m)	≥0.04
Fuel consumption(kg/h <sup>m</sup> )	≤35
Container Capacity 40	138

### Optional configuration



Potato Plow



Trimming Wheel



Herringbone Crawling Iron Wheel



Ditcher



Weeding Wheel



Unilateral Plow



Steering wheel axle



Paddy Field Wheel



Trailer



Furrow Plough



## NO TOOL DISASSEMBLY DESIGN

No tool disassembly design, free hand disassembly fender. Reverse gear anti-error design, more safe and reliable.

### Optional configuration



Herringbone Crawling Iron Wheel



12kg weight balance block

### STANDARD CONFIGURATION



4-4 Blade



3.50-6/4.00-8 Tire

## GASOLINE

Model:	BS580FG
Engine type	170F
Rated RPM(r/min)	3600
Rated output(kW)	4
Dimension(L*W*H)(mm)	1170*570*440
Transmission type	Gear Transmission
Clutch type	Normally Open Friction Plate Clutch
Gears	Farming gear:0 / 1 Walking gear: -1 / 0 / 1
Output shaft	23mm
Output speed(r/min)	Farming Speed:229 Walking speed(Fwd/Rev):23
Net weight(kg)	86
Tillage width(mm)	580
Tillage depth(mm)	≥100
Working speed(m/s)	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤35
Container Capacity	40

# Model BS580FG

Gears: Farming : 0 / 1  
Walking : -1 / 0 / 1  
Rated RPM: 3600rpm



**MAKE THE LIFE  
MORE SIMPLY  
MAKE THE FARMING  
MORE EFFICIENT**



DEISEL		
Model:	BS1050FD-KM	BS1350FD-KM
Engine type	173F	186F
Rated RPM(r/min)	3600	3600
Rated output(kW)	4	6.5
Dimension(L*W*H)(mm)	840*460*660	970*565*845
Transmissioin type	Gear Transmissioin	Gear Transmissioin
Clutch type	Wet friction disc clutch	Wet friction disc clutch
Gears	-1 / 0 / 1 / 2	-1 / 0 / 1 / 2
Output shaft	23mm	32mm
Output speed(r/min)	Low Speed:93.3 High speed:130	Low Speed:93 High speed:145
Net weight(kg)	98	122
Tillage width(mm)	1000	1350
Tillage depth(mm)	≥100	≥100
Working speed(m/s)	0.1-0.3	0.1-0.3
Working efficiency(hm <sup>2</sup> /h.m)	≥0.04	≥0.04
Fuel consumption(kg/hm <sup>2</sup> )	≤30	≤30
Container Capacity 40	225	138

- Optional configuration
-  Trimming Wheel
  -  Ditcher
  -  Unilateral Plow
  -  Furrow Plough
  -  Potato Plow
  -  Herringbone Crawling Iron Wheel

**Model BS1050FD-KM**

Gears: -1 / 0 / 1 / 2  
Rated RPM: 3600rpm

**STANDARD CONFIGURATION**



4-4 Blade



3.50-6/4.00-8 Tire

