

# HXJQ<sup>®</sup>

China Largest Mining Machinery  
Manufacturer

*Operating Instruction*

# SHAKING TABLE

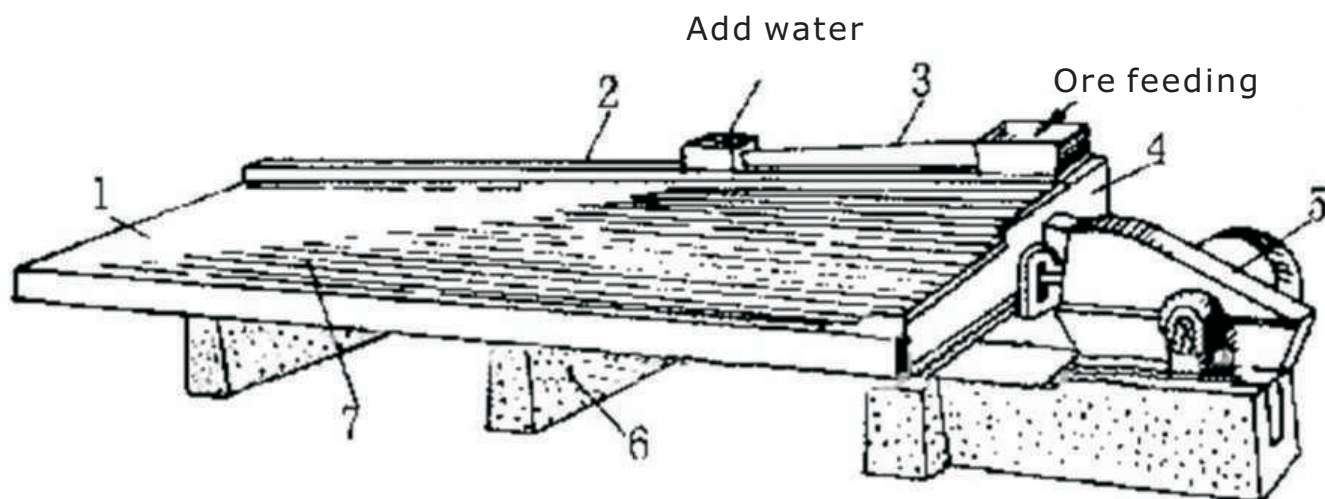


**Henan Hongxing Heavy Machinery Co., Ltd.**

## The Handling Materials and Function of Shaking Table:

Shaking table is a gravity dressing machine used for separating fine particles such as tin, tungsten,

gold and silver, lead, zinc, tantalum, niobium, iron, manganese, titanium, ferrotitanium and coal.



1. Concentrate side

2. Flushing tanks

3. Ore feeding tanks

4. Ore feeding side

5. Transmission device

6. Frame

7. Bed surface

## The Working Process of Shaking Table:

Concentrator table beneficiation refers to that on a slant table, relying on the combined effect of the symmetrical and reciprocating motion of the mechanical slabstone and the lamella slant water

flow, the ore particles become loose, layered and zoned on the table, thus separating the minerals based on density.

## Characteristics:

Processing ability: 10–60 t/h

Feeding size: 0.15–2 mm

Feeding thickness: 15–30%

Applied material: tin, tungsten, gold, silver, lead, zinc, tantalum, niobium, titanium, manganese, iron ore, coal, etc



## Working principle

Concentrator table beneficiation refers to that on a slant table, relying on the combined effect of the symmetrical and reciprocating motion of the mechanical slabstone and the lamella slant water flow, the ore particles become loose, layered and zoned on the table, thus separating the minerals based on density.

## Features

Concentrator table is integrated with domestic concentrator table and gravity dressing technology and it has the advantages of high concentration ratio, high dressing efficiency and simple operation, it can harvest the final concentrate and final tailings only for once. Compared with traditional technology, it does not need reagent and has low energy consumption high cost performance ratio and it is convenient to manage.

## Technical data :

Name		Unit	Grit concentrator table	Fine sand concentrator table	Sludge concentrator table
Dimensions	Length	MM	4450	4450	4450
	Driving part width	MM	1855	1855	1855
	Concentrate part width	MM	1546	1546	1546
Max.feeding size		MM	2	0.5	0.15
Feeding amount		T/d	30-60	10-20	15-25
Feeding thickness		%	25-30	20-25	15-25
Journey		MM	16-22	11-16	8-16
Frequency		F	15-48	48-53	50-57
Water quantity		T/d	80-150	30-60	10-17
Horizontal obliquity		Degree	2.5-4.5	1.5-3.5	1-2
Portrait obliquity		%	1.4	0.92	----
Table board corner		Degree	32-42	40	42
Concentrating square		----	7.6	7.6	7.6
Table board length ratio		----	2.6	2.6	2.6
Motor power		KW	1.1	1.1	1.1





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