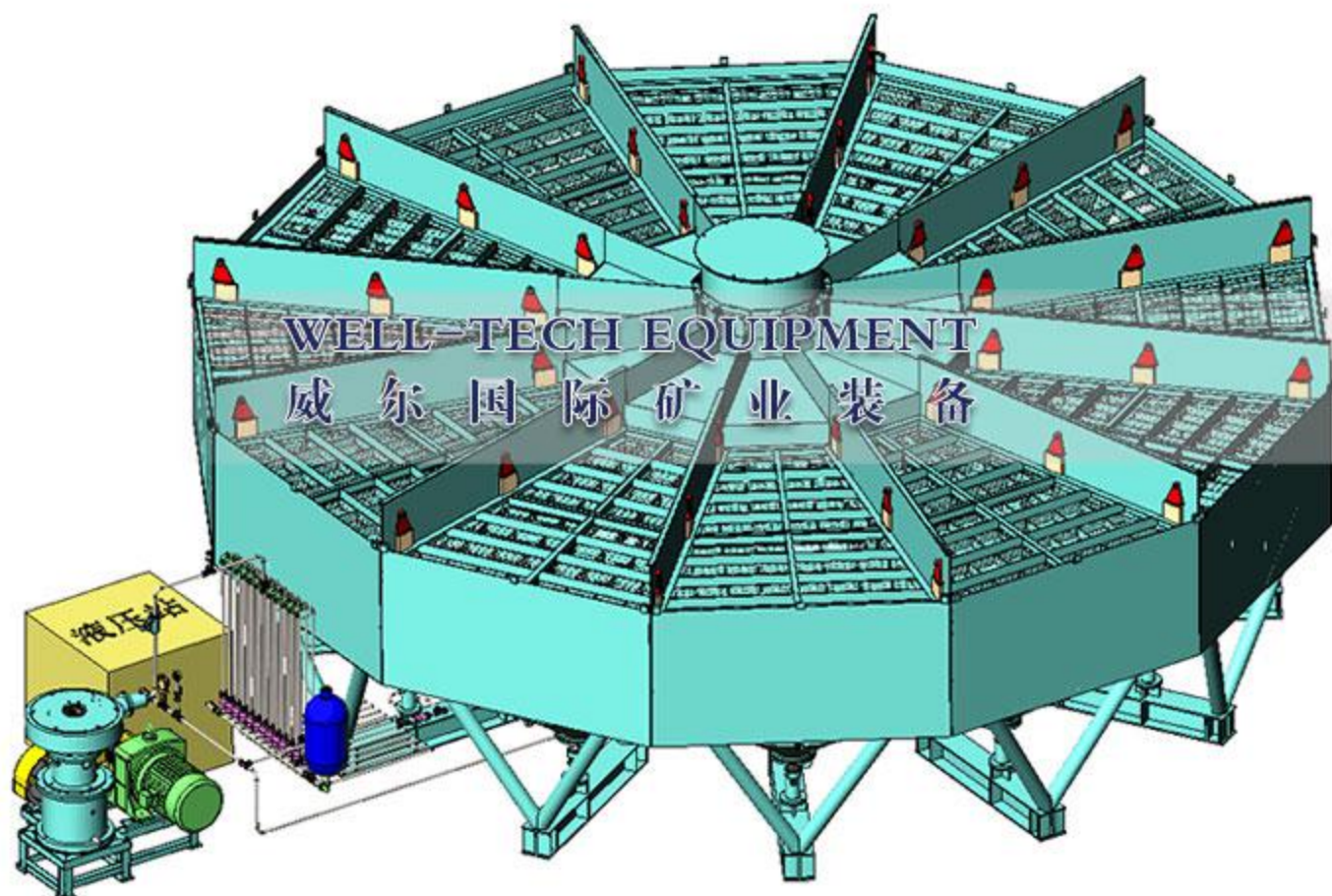


Hydraulic Radial Jig



Descriptions

Hydraulic radial jig has been widely used as roughing separation equipment to select ore such as alluvial gold, tin, diamond, tungsten, manganese and hematite.

Hydraulic radial jig is developed from circular jig. It's composed of two parts: drive and tank. The drive is mechanical hydraulic type, the power is provided by motor through the transmission mechanism let the output shaft of the gear reducer drives the cam rotation, the cam pushes the piston of each master cylinder make periodic reciprocating motion, which converts electrical energy into mechanical energy and then into hydraulic energy. Through hydraulic pipes and all kinds of valves let the moving cylinder drives the cone of jig up and down fluctuation.

DYTA7750 Hydraulic radial jig adopts electromagnetic speed regulating asynchronous motor to realize the frequency adjustment, it's a step-less adjustment and the adjustable range of jig frequency is 0-90 times per minute.

DYTA7750 hydraulic radial jig has many advantages compared with the various jig machines: Big jigging area, big capacity; because the jig tank is fan-shaped, it is advantageous to recover fine particle materials; Compact structure, central feeding and small distribution space, suitable for use on dredger; Because of the hydraulic drive, the transmission mechanism is simplified and saving power. The total power of the model DYTA7750-9 is only 11.6 Kw, saving about 55% power than the conventional jig machine in the same concentration area. The pulsation curve is approximation saw-tooth curve, not only conducive to recover fine heavy minerals, also saving a large number of make-up water, the make-up water is about a quarter of the ordinary jig.

Advantages and Characteristics

- Big capacity, less land occupation, wide recover range on size
- High concentrating ratio and high recovery
- Easy to install, operate and maintain
- The pulsation curve is saw-tooth wave shape facilitate heavy mineral to settling
- Saving water 60-70% and saving power 55% than the ordinary jig
- The pulsation speed very easily adjusted by the regulator
- Can achieve a good result in processing such as placer gold, tungsten, tin, hematite, manganese, barite, and gemstone etc

Technical Specifications

Model	DYTA 7750-3	DYTA 7750-4	DYTA 7750-5	DYTA 7750-6	DYTA 7750-7	DYTA 7750-8	DYTA 7750-9	DYTA 7750-10	DYTA 7750-11	DYTA 7750-12
Jigging area (m³)	9.9	13.2	16.5	19.8	23.1	26.4	29.7	33	36.3	39.6
Stroke (mm)	20. 25. 30									
Frequency of stroke (r/min)	50-85									
Feeding size (mm)	<25									
Make-up water (m³/t)	1-3m3/ton of ore									
Make-up water pressure (MPa)	≥0.10									
Capacity (t/h)	50-75	66-100	78-125	100-150	116-175	132-197	150-200	166-245	182-270	200-300
Driving motor (Kw)	5.5	7.5	7.5	7.5	11	11	11	15	15	15
hydraulic power unit (Kw)	0.55									
Weight (kg)	6000	8000	10000	12500	14200	15800	17500	18000	19200	21000

Processing details and application



gold production process

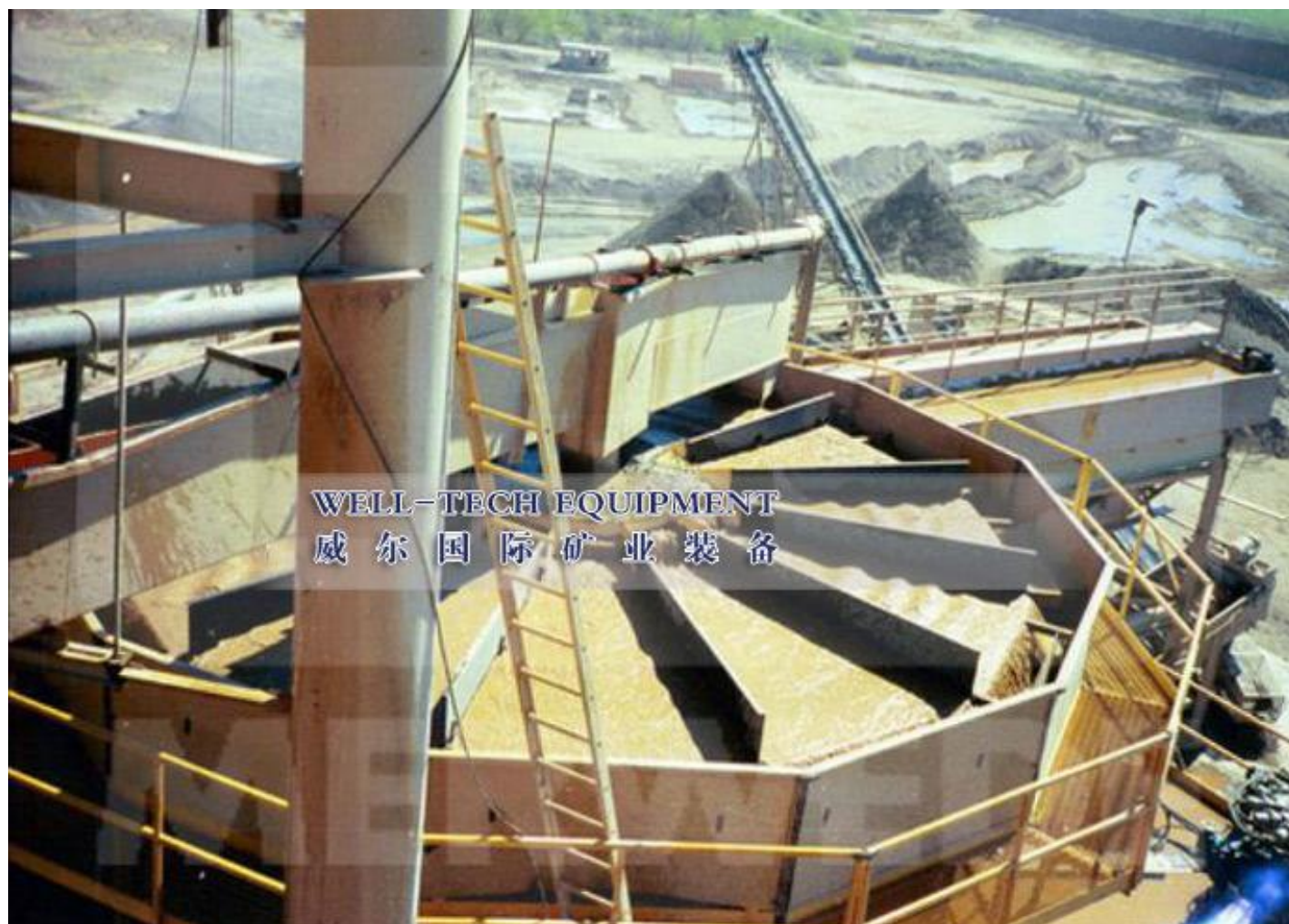


Circular Jig machine



WELL-TECH EQUIPMENT
威尔国际矿业装备

jigging machine



Tin Jig separator