



Gold Cyanide Heap Leaching

Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: CE/ISSO9001
- Model Number: 900x1200, 1200x1500 1500x3000 1830x3000

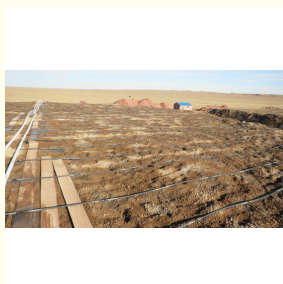


Product Specification

- Product Name: Gold Ore Heap Leaching
- Type: Heap Leach Mining
- Usage: Leaching Gold Ore
- After Sales Service: Provided
- Warranty: One Year
- Condition: New
- Motor: 22 To 380KW
- Highlight: **Gold Cyanide Heap Leaching, gold heap leaching**



More Images



5000T Heap Leaching Design For Gold

I. Work flow

A. Raw materials preparation (Crushing stage)

Detailed flow process: raw material is transported into coarse by feeder, after crushing, it will be screened. Not-qualified product(big particle) will get into middle crushing stage and then screened by vibrating screen. Finally, qualified product will be transported into storage. Capacity of crushing stage is 400tons per day.

B. Storage area construction

Construct two stock dump of 32*32m, it should be level, and has 3% angle in horizontal and vertical direction. Flatten after laying our clay, and construct drainage ditch and prevent flood into dump.

After storage area is prepared well, lay out high strength polyethylene thin film(film needs to be welded together, prevent leakage, then add 30cm clay on the film, at last, pile up 20cm sand stone and brittle stone(smaller than 20mm).

Construct intercepting gutter, settling pond, barren liquor pond, pregnant liquid pond, pregnant liquid pond and adsorbing column.

C. Heap construction

Qualified crushing product us transported into stock dump by using loader and pile up uniformly to 4m.

D. Maceration and Washing

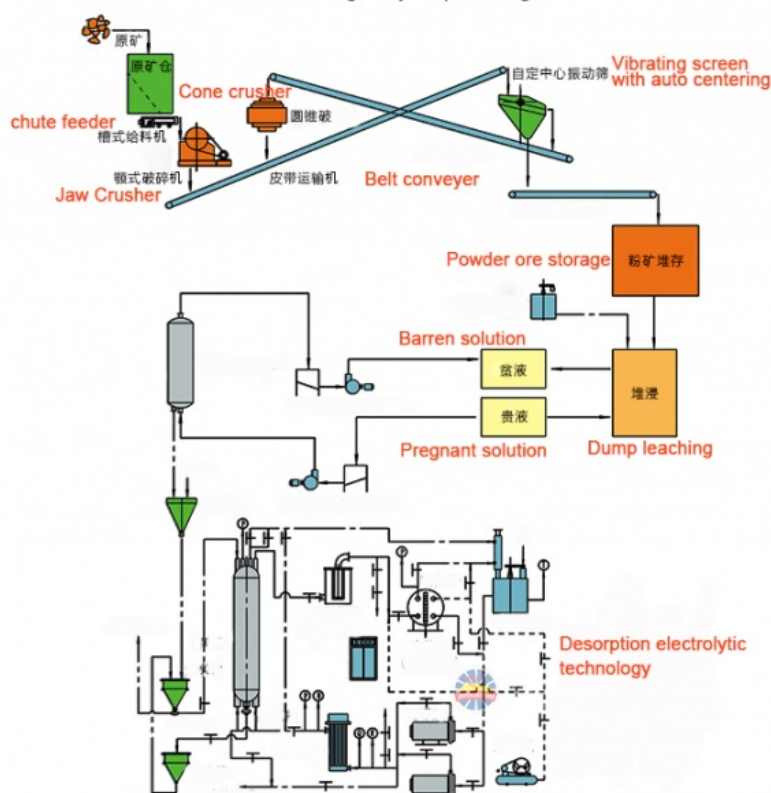
After construction of storage dump, spray sodium hydroxide of PH 11 on the dump, when PH is close to 10, add cyanide into shower.

E. Pregnant solution goes through adsorption, desorbing and electrolysis, then gets gold mud. After melting, gold mud becomes gold spindle.

F. After heap leaching, ore dump no needs to transport away, which will become permanent waste dump or re-construct after tearing down.

堆浸法提金工艺

Extraction of gold by heap leaching



Equipment List

Item	Working process	Equipment	Model	Qty.	Unit power /KW	Remark
1	Storage bin	Gold tailing bin	40m ³	1pcs		Reinforced concrete
2	Pre-screening	Grizzly	350*350	1set		Steel rail & steel rod
3	Feeding	Vibrating feeder	GZD850*3000	1set	11	
4	Coarse crushing	Jaw crusher	PE400*600	1set	30	
5	Conveying	Belt conveyor	B650*28m	1set	11	
6	Screening	Circular vibrating screen	2YK1548	1set	15	Mesh size 48 & 24mm
7	Conveying	Belt conveyor	B650*25m	1set	7.5	
8	Secondary Crushing	Fine crusher	PEX250*1200	1set	45	

9	Conveying	Conveying	B650×18m	1set	7.5	
10	Seepage-proofing	Polyethylene film	HDPE film (1mm thickness)	2sets		5000 ,Matched with flange, elbow, spray-head, three links, joint and end cap
11	Spraying	PVC tube and accessories	Ø65×300m(main pipe) Ø50×200m(main pipe) Ø32×1500m(branch pipe)	1sets		Matched with flange, elbow, spray-head, three links, joint and end cap
12	Pregnant liquor	Pregnant liquor tank	10×20×1.5	2pcs		Brick setting and cement sand plaster build by self
13	Barren liquor	Barren liquor tank	10×20×1.5	2pcs		Brick setting and cement sand plaster build by self
14	Adsorption pump	Submersible pump	50WQ30-30-7.5	3sets	7.5	Lift: 30m; Flow rate: 28m ³ /h; One set is on standby;
15	Spraying pump	Submersible pump	50WQ30-30-7.5	3sets	7.5	Lift: 30m; Flow rate: 28m ³ /h; One set is on standby;
16	Adsorbing	Series group of carbon adsorption column	600×2500	2sets	/	4 units in one group;
17	Drainage pipes	Polyethylene pipe	Inner dia. 60mm	300m		Connect spray pumps and adsorption pump, etc
18	Agents feeding	Mixer	1.5×1.5m	1set	3	Connect spray pumps and adsorption pump.etc
19	Desorption & electrolysis	Desorption and electro-winning equipment	300KG	1set	36.7	To process the gold-loaded carbon;

ASCEND Henan Ascend Machinery Equipment Co., Ltd.

+86 18221130967

wilson_ascendme@163.com

mining-crushermachine.com

Shenglong block, high tech zone, Zhengzhou, China