



Recuperación de Oro
Recuperação de Ouro
Récupération de l'or
Добыча золота

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Patents Pending

iCON IGR 1000

Dual i150 Scrubber Plant for Clay



iCON Gold Recovery Corp.

is proud to present the

**IGR 100 Plant
Dual i150 Scrubber Plant for Clay**

The iCON IGR 1000 Plant was designed by mineral processing engineers. The classification process (double deck screen) assures that you are capturing both the big gold and fine gold efficiently. In this process the grizzly will reject and rock larger than 75 mm. The rotating scrubber will then wash the feed and break up any clay. Next, the screen will classify the material. Any rock over 8mm will be rejected to tails. Material between 8mm and 2mm will be directed to the sluice. Material passing the 2mm screen will flow to the iPump which conveniently moves the slurry to the concentrators - wherever you choose to locate them.

Using 2 concentrators, the feed to the plant must be stopped to rinse the batch concentrators. Depending on your feed this may be every 2 hours. Installation of a third concentrator will allow continuous operation of the plant: 2 concentrators will be operating while the third is being rinsed.

This skid mounted unit ships inside of a 20' container which you get to keep. The iPump allows you to locate the concentrators away from the plant in the security of the container/ Gold Room.

iCON IGR 1000 Plant Specifications

Includes:

- 1.2 m Grizzly with 75 mm openings c/w manual tilt
- Feed chute fabricated of mild steel
- Sepro pilot plant rotary scrubber with nominal dimensions 0.75m X 1.5m long complete with drum, steel lifter bars, rubber tire drive assembly with tires, wheels, gear box and electric 2.2 kW drive motor and variable frequency drive
- Sepro-Sizetec .6m X 1.2m heavy duty, double deck, horizontal vibrating screen complete with electric vibrating motors, welded screen body construction and polyurethane screen panels: 8mm top deck and 2mm bottom deck. Electrical controls included
- 0.25 m x 1.2 m Sluice to treat 2mm to 8mm Aggregate
- Skid frame assembly for mounting scrubber and screen similar to that shown on drawing. Complete with water distribution manifold for scrubber, vibrating screen, also includes integral sluice box for coarse gold recovery, screen oversize discharge chute
- 2 iCON i150 Concentrators complete with VFD drive, 2 hp electric motor
The concentrators are used to process the 2 mm minus material
- iCON iPump 1.0 with VFD drive and 2 hp electric drive motor
- Wiring for on plant equipment (suitable for 220/50-60hz/3 phase)
- One good quality used 20' Sea Container for shipping - you keep it

Power Requirements:

25 kVA Generator - 220v/1ph/50-60Hz - 90 amps (not including water pump)

All machines are controlled by VFD's mounted in a control console with start/stop buttons.

Water Requirements:

20 - 35 m³/hr (2" Pump recommended) Note: Clean water required for iCON. Separate water source may be required for iCON's

Feed:

Scrubber and Screen capacity are 10 tph but iCONS are limited to 2 tph each of -2mm. For example if the feed gradation is 40% passing 2mm, the plant can be fed a maximum of 10 tph. If the feed gradation is 100% passing 2mm, then the plant can be fed 4 tph.

This is an actual photo from Africa.

This plant was designed to scrub the laterite clay.



This is an actual photo of a plant assembled in the factory prior to shipment to Africa.

Warranty

iCON Gold Recovery equipment is backed by IGR's reputation as a quality manufacturer, and by many years of experience in design of reliable equipment.

Equipment manufactured and sold by IGR and paid for in full is backed by the following warranty:

For the benefit of the original user, IGR warrants all new equipment manufactured by IGR to be free from defects in material and workmanship; and will replace or repair, FOB at its factories or other location designated by it, any part or parts returned to it which IGR's examination shall show to have failed under normal use and service by the original user within one (1) year following initial start-up or eighteen (18) months from shipment to the purchaser, whichever occurs first. Such repair or replacement shall be free of charge for all items except for those items that are consumable and normally replaced during maintenance with respect to which repair or replacement shall be subject to pro-rata charge based upon IGR's estimate of the percentage or normal service life realized from the part. IGR's obligation under this warranty is conditioned upon its receiving prompt notice of claimed defects which shall in no event be later than thirty (30) days following expiration of the warranty period; and is limited to repair and replacement as aforesaid.

THIS WARRANTY IS EXPRESSLY MADE BY IGR AND ACCEPTED BY PURCHASER IN LIEU OF ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED, OR STATUTORY. IGR NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY WITH RESPECT TO ITS EQUIPMENT. IGR SHALL NOT BE LIABLE FOR NORMAL WEAR AND TEAR, NOR FOR ANY CONTINGENT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE OR EXPENSE DUE TO PARTIAL OR COMPLETE INOPERABILITY OF ITS EQUIPMENT FOR ANY REASON WHATSOEVER.

This warranty shall not apply to equipment or parts thereof which have been altered or repaired outside of a IGR factory, or damaged by improper installation or application, or subjected to misuse, abuse, neglect or accident.

This warranty applies only to equipment made or sold by iCON Gold Recovery Corp. IGR makes no warranty with respect to parts, accessories, or components manufactured by others. The warranty, which applies to such items is that offered by their respective manufacturers.