



Recuperación de Oro
Recuperação de Ouro
Récupération de l'or
Добыча золота
www.iconcentrator.com
Patents Pending

iCON i350 Concentrator

The iCON i350 Concentrator has been called the 'Super iCON'. The i350 is revolutionizing the world of alluvial mining and dredging the same way the i150 has impacted the world of hard rock mining.

This is a gravimetric concentrator that uses enhanced gravity (G's) to concentrate the 'free' heavy minerals. It is also known as a centrifugal concentrator because of the centrifugal action of the spinning bowl. The process uses only water and an electric motor to concentrate the precious heavy minerals from slurry.

At a capacity of 10-15 tons per hour solids, the i350 is commonly used for:

- Alluvial / Placer
- Dredging



i350 Concentrator Specifications

Solids Capacity (Max)	15 tons/hour
Slurry Capacity (Max)	30 m ³ /hour, 132 USGPM
Slurry Density	5% to 65% Solids
Max Particle Size	2.5 mm
Concentrating Surface Area cm ²	0.23 m ²
G Force Range	100 to 150 Gs (37 to 45 hz)
Machine Weight	415 Kilograms
Dimensions	0.98 m x 0.89 m x 1.43 m Tall
Electric Motor Power	5 HP, 3.7 KW
Electrical Specifications	208 to 230 Volt, 3 Phase, 50 or 60 hz
Process Water Consumption	3 to 5 m ³ /hr, 13 to 22 USGPM
Process Water Pressure	30 to 45 psi
Rinse Time	60 to 90 Seconds
Capacity of Concentrate per Batch	3 to 6 Kilograms
VFD, Soft Start Included	Yes

iCON is environmentally friendly and has the support of institutions around the world as a safe and clean alternative to Mercury amalgamation.

