

Bruce Recycling Water Separator

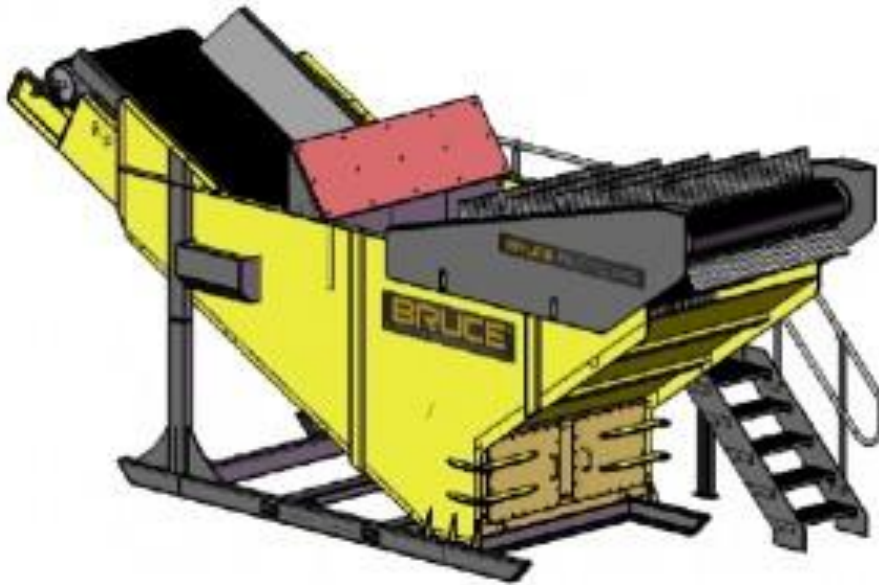
This unit is an operator friendly, mobile and cost-effective package designed to separate floating contamination from aggregate products, such as construction waste, demolition waste and trommel fines clean-up.

The machine has virtually no set up time once delivered to site and can easily be set into working position with either a Telehandler or a lorry mounted crane. Once working, floating objects are moved using positive water flow towards the on board collection brush conveyor, which skims the light material from the water surface and discharges it at the rear of the unit. Meanwhile heavy aggregate material is collected on the specially modified submarine conveyor which carries the material out of the water reservoir and stockpiles it at the front of the machine.

Because Bruce offers a range of options on the BWB120 it can be incorporated into a static plant or used as a mobile on site processing tool. Water can either be re-circulated or pumped continuously to and from the source.

Water Tank & Structure

- Heavy duty tank with light fraction discharge chute
- Quick release inspection/cleaning doors. Fully sealed
- Hardox material loading/deflector plate
- Heavy duty skid frame with forklift channels



Brush Conveyor

- Heavy duty light fraction retrieval brush conveyor
- Diamond lagged drive drum
- Heavy duty electric motor/gearbox assembly
- Variable speed through inverter at machine control panel
- Long life, all weather nylon/polyurethane composite light fraction retrieval brush assemblies
- Fully adjustable belt tensioning assemblies
- Heavy duty greased bearing assemblies
- Taper locked shafts

Incline Conveyor

- Heavy duty dense fraction recovery conveyor c/w
- Heavy duty chevron pattern conveyor belting
- Diamond lagged drive drum
- Heavy duty greased bearing assemblies
- Sealed for life submarine bearing assemblies on tail drum
- Heavy duty low friction impact section
- Fully skirted assembly
- Variable speed through inverter at machine control panel
- Belt adjustment/tracking easily accessible
- Taper locked shafts

Electrical Control Panel

- Robust vandal resistant cabinet
- Weather resistant compliant design
- Plug in system for mains or generator supply
- E-stop system
- User friendly operator interface
- Simplicity and ease of set up and use
- Long life through robust construction and choice of materials

Options

- Reverse facing light fraction recovery enhancement water "blower" system
- Single or dual aggregate rinsing system
- Aggregate ripple flow system on conveyor
- Quick release water outflow pipe connector
- Water feed pump
- Personnel inspection gantry and steps
- Remote stop system
- One or two man picking belt hard wired to main machine electrical control panel/e-stop system

