

PRAB Tramp Metal Separator

SOLUTIONS AT WORK

Remove Bar-Ends, And Other Metal Solids

Separators serve as key components in any chip processing system. They remove bar-ends, broken tooling and other solids from chip flow protecting processing equipment from damage. Prab's 5 unique separators are engineered to perform at different levels to efficiently handle the variety of metal chips and turnings produced by today's high speed, metal working industry.



Prab Model "O" heavy-duty oscillator / air-classifier Separator.



Model R rotary air lock / air-classifier separator performs best with flowable wet chips and is used to feed a Prab Wringer.



Model S separator screens small chips while redirecting tramp solids.



Model V separator features a vibration deck and blower combination for medium/high volume systems.



Model G air-classifier / separator may feed Crushers, Wringers or Briquetters (as shown).



Model O Oscillator / air-classifier separator. Shown with expanded capacity separation blower and recirculating air/mist duct system.

Total Systems & Components provided by PRAB

- Under floor and above floor scrap systems
- Automatic distribution/loadout systems
- Complete installation and start-up
- Single source responsibility

Standard Metal Solids Separators

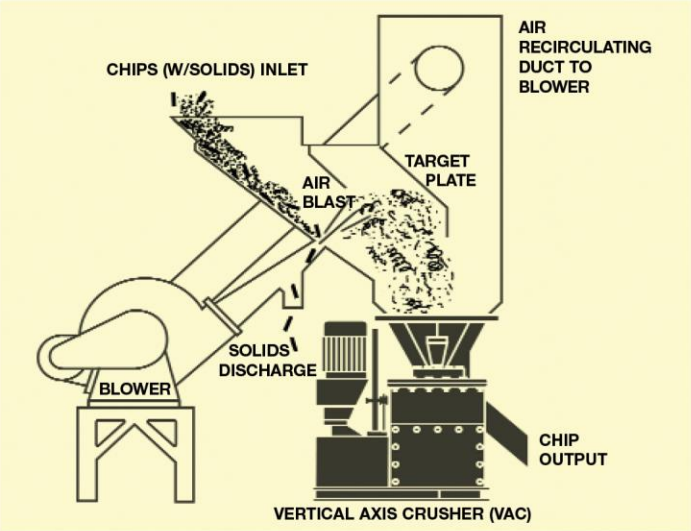
The **Model “G” Separator**, shown (right) feeding a Prab Vertical Axis Crusher (VAC), is a “Moderate Volume” separator. It includes a self-contained ducted air recirculation system to minimize oil misting. Chips and turnings are typically dropped into the hopper inlet by an external conveyor.

Designed for “Higher Volumes”, even nested wads of scrap material, the **Model “O” Separator**, (right) has an Oscillating conveyor as a metering component. It is used to effectively spread the material across the width of the oscillating deck, prior to entering the air classifier section. It is shown feeding a Prab Vertical Axis Crusher (VAC) which reduces metal scrap into shovel grade chips. The separator also features the same ducted air recirculation system to minimize oil mists.

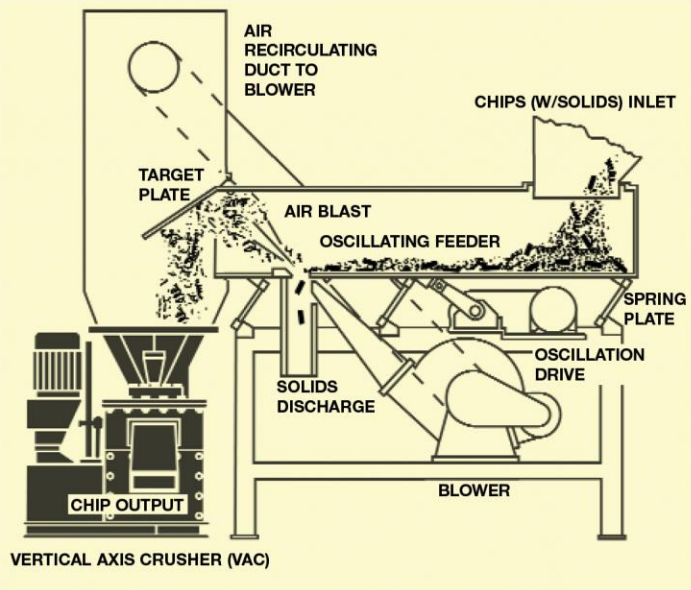
The **Model “R” Separator** is designed for use with flowable wet chips and is used in conjunction with a Prab Diagonal Shaft Wringer. As shown in the illustration, chips are fed into the inlet by an elevating conveyor. A rotary style air lock meters the chips into the continuous air blast where separation of the metal chips from heavier solids/bar-ends takes place.

Note: These drawings indicate the general operation, size and configuration of the air classifier Prab parts separators. The actual configuration, operating capacity and dimensions will reflect the type of materials being processed and other equipment required downstream in the system.

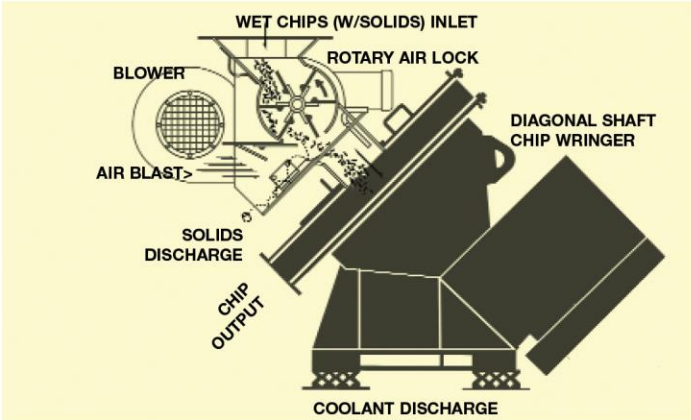
Air Classifier - Model G



Air Classifier - Model O



Air Classifier - Model R



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