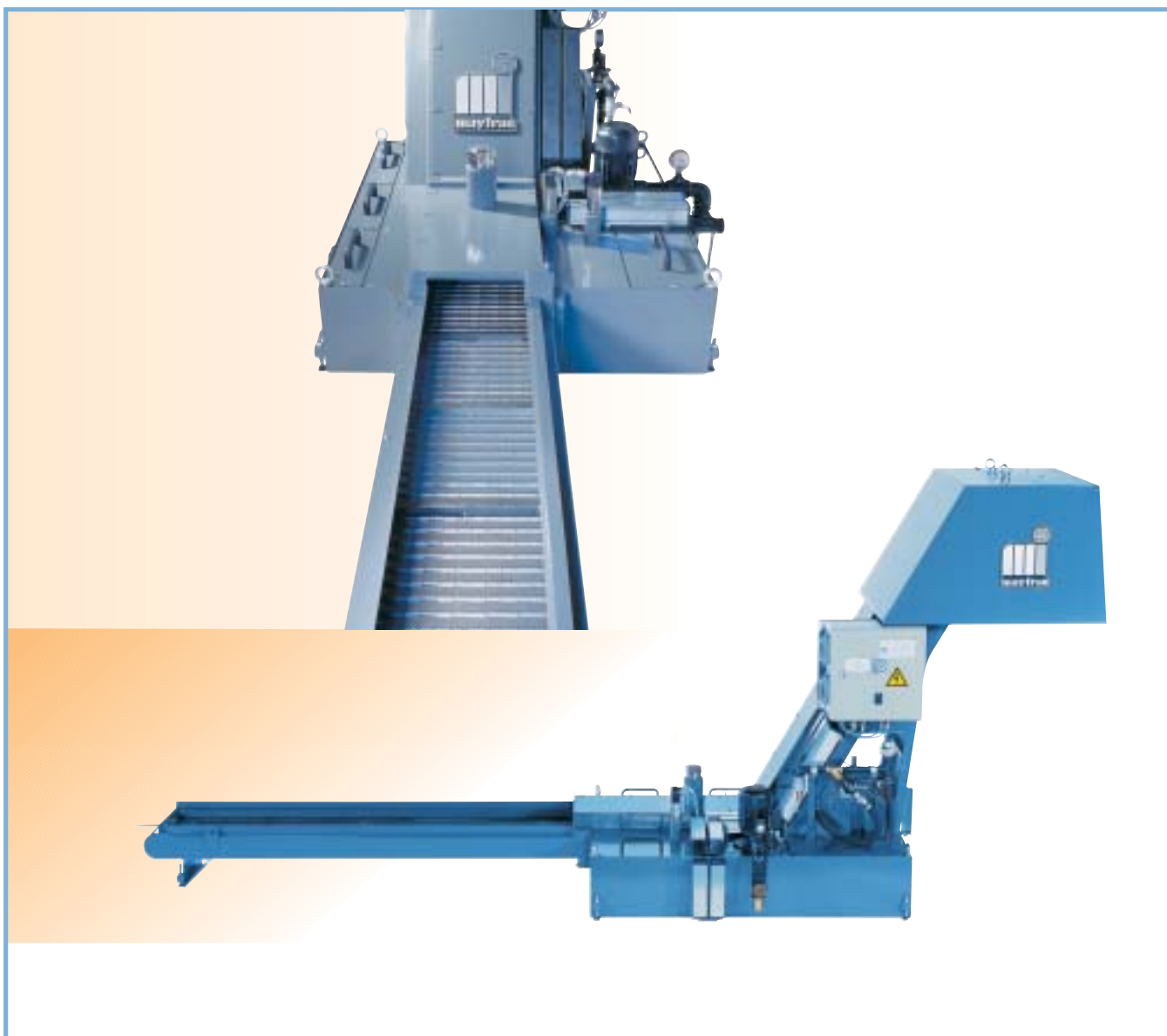


ConSep 2000[®] – The System

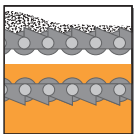
The modular solution for chip conveying and coolant cleaning

Economical / less space / modular

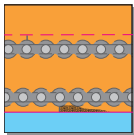


ConSep 2000[®]: Chip conveying and coolant cleaning in one space-saving unit!

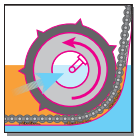
ConSep 2000[®] coolant cleaning separator is the perfect solution for chip conveying and coolant cleaning in a single unit using little floor space. It's engineered to process virtually every chip type with minimal return of chips or fines to the coolant tank. Its modular design makes it simple to add additional components for extended coolant cleaning requirements below 50 micron. **ConSep 2000[®]** is the best and most economical method to dedicated chip handling and coolant cleaning for machining centers, automatic multi-spindle lathes and rotary transfer machines.



The primary conveyor removes all chip types and sizes including strings and balls

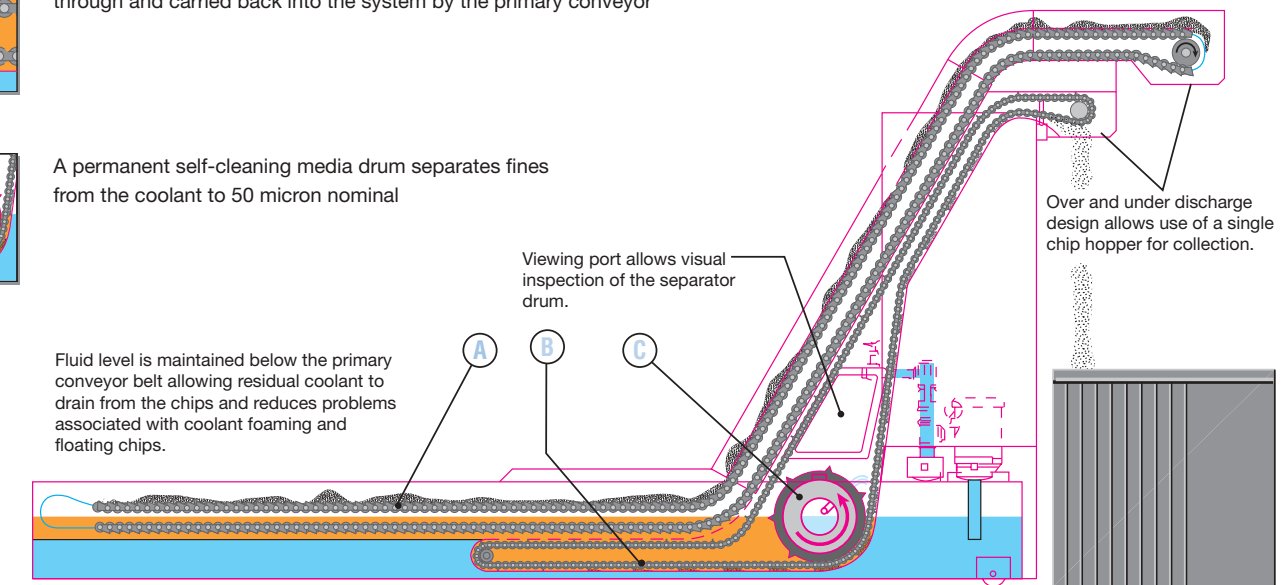


The lower drag-type separator conveyor removes fines that are passed through and carried back into the system by the primary conveyor



A permanent self-cleaning media drum separates fines from the coolant to 50 micron nominal

Fluid level is maintained below the primary conveyor belt allowing residual coolant to drain from the chips and reduces problems associated with coolant foaming and floating chips.



All the individual components of **ConSep 2000[®]** combined in an universal device with less maintenance requirements and high availability.

Modular system design allows for additional coolant cleaning components

ConSep 2000[®] meets your individual coolant

cleaning requirements now or later...

The AT Cleaner is manufactured in the USA under license agreement from BUNRI Industries LTD - Japan.

BUNRI



AT-Cleaner



High-Pressure Pump Package

High pressure coolant system

Engineered systems offer 55 l/min, 20-100 bar (15 GPM @ 300-1500 PSI)

- Variable flow and pressure
- Police filter optional

Secondary coolant cleaning

The AT-Cleaner is a hydraulic centrifugal separator requiring no disposable filter media.

- Cleans coolant up to 20 micron
- Extends tool life and surface quality
- Minimizes manual cleaning maintenance



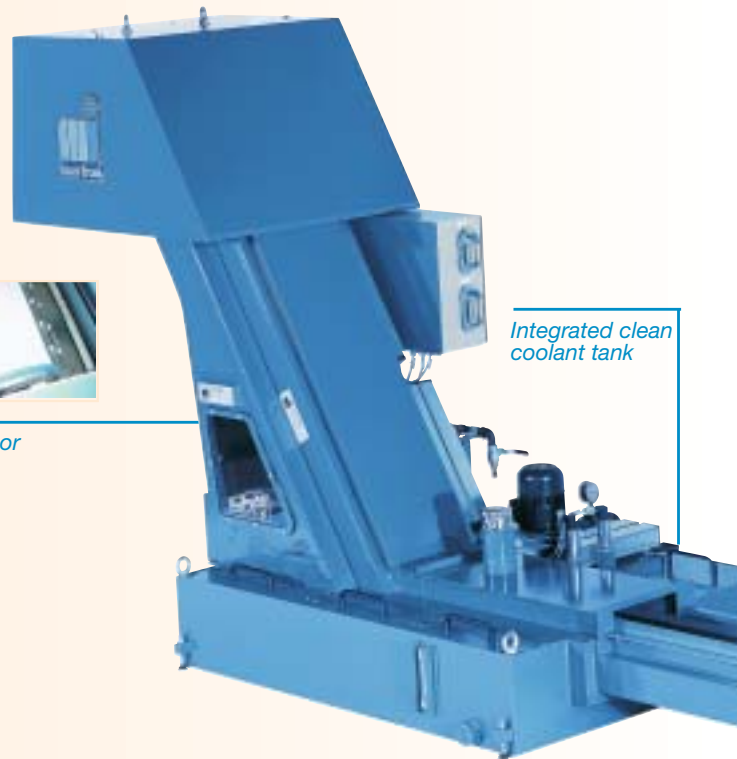
Electrical Controls

Plug and run controls

- Simple integration into existing machine tool controls
- SPS logic control



Separator drum



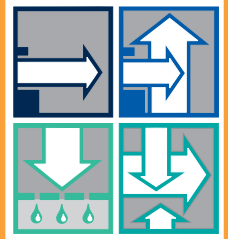
Integrated clean coolant tank



Oil skimmer

Separation of foreign/tramp oils

- Skimmer separates floating foreign or tramp oils from the coolant



Chiller Unit

For improved machining tolerances

- Through coolant refrigeration
- Temperature regulating system



AT-Cleaner with Super Separator for sludge clean-out

The AT Cleaner is manufactured in the USA under license agreement from BUNRI Industries LTD - Japan.



Minimized sedimentation in tanks

- Automatically removes sludge and dirt
- Minimal maintenance



Primary conveyor



Separate coolant tank

For increased coolant storage volumes

- Extended coolant filling cycles
- Week-end stand-by mode
- Improved heat dissipation

Three functions in one space-saving unit

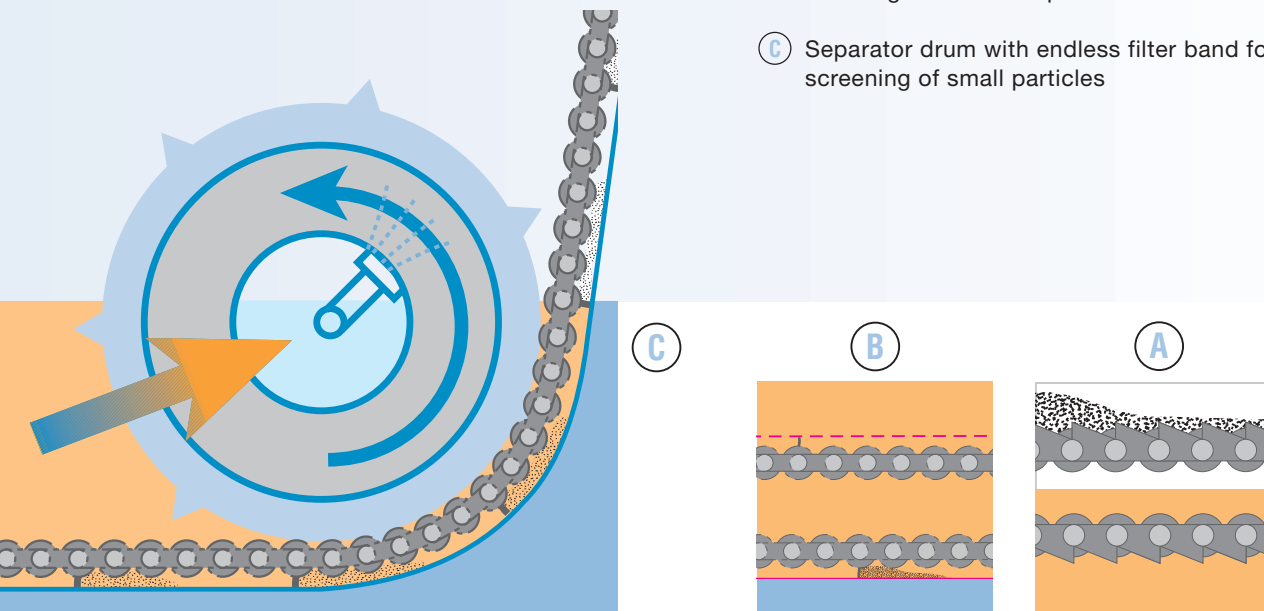
Con Sep²⁰⁰⁰

Helps you make a good cut and keep your coolant clean...

- Full stream coolant cleaning to 50 micron nominal
High-pressure operation with AT-Cleaner extended to 20 micron
- Up to 800 l/min (210 GPM)
- Handles most chip types:
Turnings, spiral chips, nests, fine and coarse chips
- Various materials:
Aluminium, steel, brass, cast iron
- Reduced tank cleaning maintenance
- Integrated coolant tank requires less space

Three proven Mayfran components ...an economical modular solution!

- (A) Primary conveyor
Discharging all types of coarse chips
- (B) Drag-type conveyor
Discharge of small chips and fine abrasion
- (C) Separator drum with endless filter band for
screening of small particles





Serving Global Markets



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