

# HydroClean™ Stand Alone Coolant Filtration System

*\*Patent Pending*

- Dramatically improve tool life
- Maximize Coolant (media) Usage
- Eliminates coolant tank cleaning
- Increases Machine Productivity
- Lower HP Requirements-Reduced Energy Costs
- Minimizes Risk of Costly Major Machine Repairs
- Reduces Waste Disposal of old Coolant & Cutting Fluids
- All with automated operation & easy service requirements.



## DESCRIPTION

JKI is a recognized leader in the design and manufacture of standard and custom package filtration systems.

Our premium high quality systems are designed to *Maximize Filter Life*, minimize disposal issues, and guarantee filtrate quality.

## BENEFITS

The *HydroClean™* system allows the client to automatically keep the coolant tank free of any significant sludge or chip build up. This means that there is no longer a requirement for costly down time to clean out the coolant tank, which maximizes productivity of the machine.

The system incorporates a unique process of stepped filtration stages whereby energy is conserved and filtration is used to achieve the most

reliable performance of solids separation with the least amount of disposable media.

These stages include:

- 1). Primary chip conveyance with Hinge Belt, Magnetic, Drag Type, or a combination of the three depending on the process.
- 2). Automatic self cleaning 80 micron filter.
- 3). Coolant tank "Sweeper" Package that continuously agitates the solids to be pumped into the next filtration stage.
- 4). A centrifugal separator eliminates solids 60 micron and larger.
- 5). A high capacity absolute rated canister filter element guaranteed to protect the tooling and *REMOVE* all the *SLUDGE* from the System down to 1 micron.

The unit comes completely assembled and ready for use



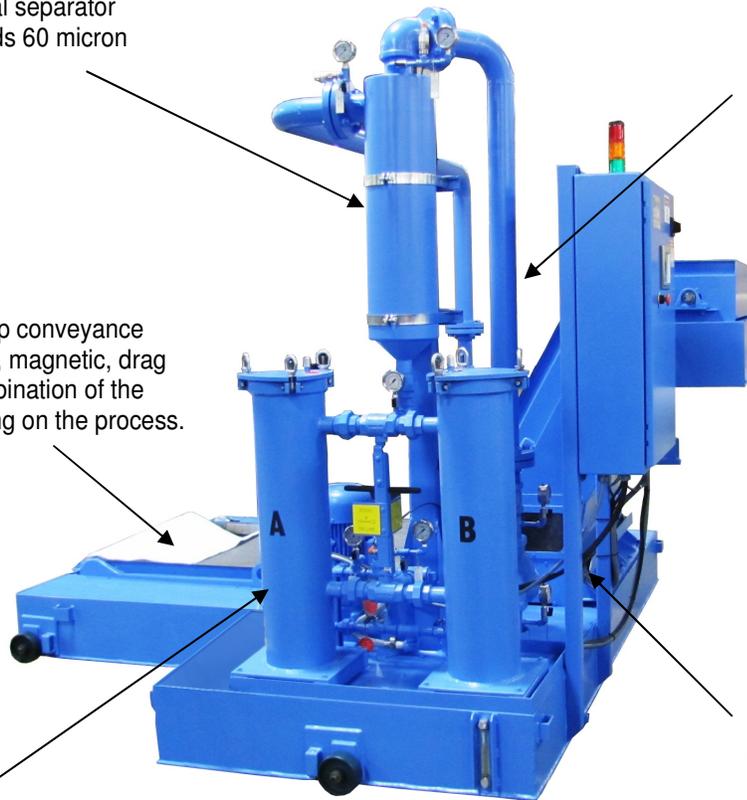
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## Stages of Filtration

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3). Coolant tank “sweeper” package that continuously agitates the solids to be pumped into the next filtration

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2). Automatic self cleaning 80 micron filter

5). A high capacity absolute rated canister filter element guaranteed to protect the tooling and remove all the sludge from the system.

