

# DuraBlast™ — The Silver Bullet

## High Pressure Coolant Filtration System

- Dramatically improve tool life
- Maximize Coolant (media) Usage
- 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.
- One system pumps water soluble and straight oil up to 450 ssu viscosity.



### DESCRIPTION

JKI Industries 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 **JKI high pressure** system allows the client to automatically keep oil or coolant filtered, tempered to the right degree, and free of tramp oils ready for delivery to the machine at up to 3000 PSI, 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.

These include a coarse filter which is cleanable and reusable, a high capacity 1st stage filter, and a 2nd stage high capacity absolute rated cartridge filter.

### Built in Options Include:

- Tramp oil removal down to <18 ppm.
- Automatic heat up loop.
- Automatic refrigerated tank temp control.
- Machine HMI interface.
- Mist eliminator.

The unit comes completely assembled and ready for use.



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## High Pressure Coolant Filtration System

### General Arrangement Layout

**System Requirements:**

**Power Supply:** 208-230 volt, 3 phase, 60 hz, 80 amp service.

**Electrical Connection to Machine:** Harding type pin connector for low voltage. High voltage hard wired to machine panel.

**Coolant/Oil lines:** 20' of low & high pressure hose kits included with machine.

