

### Total Flexibility for 3 Outlet Machines

The GV3-120 can operate as three completely independent 40 liter (10.5gpm) modules or combine to give you high pressure AND very high volume (120 liters) to one outlet at any time during the same program!

Ideal for machine tools up to 60 kw (80 hp), triple turret lathes and large mills

#### •Automatically Variable Volume

(Patent 5,951,216). This is the "gold standard" for high pressure coolant systems! It automatically pumps just enough volume to maintain full pressure. Other systems pump a fixed rate that is always too much or too little causing foam, heat, and short filter life.

#### • Double Compression Filter Hold Down

(Patent US 2006/0278572 A1). ChipBLASTER has created the most efficient bag filtration on the market today. Our double compression filter hold down lid protects both our system and the machine tool from contamination.

#### • ChipBLASTER's Super Duty Pump

(Patent 6,776,419). Pump is designed for coolant. It is durable enough that we offer an optional 2, 3, 4, or 5 year warranty.

#### •Multiple Pressure Options

Pressure options can be pre-programmed to provide filtered flood coolant in addition to preset pressures of 20, 35, 50, and 70 bar (300, 500, 750, 1000 psi) standard or any pressures up to 100 bar (1500 psi).

#### •Simple Low Cost Installation Kits

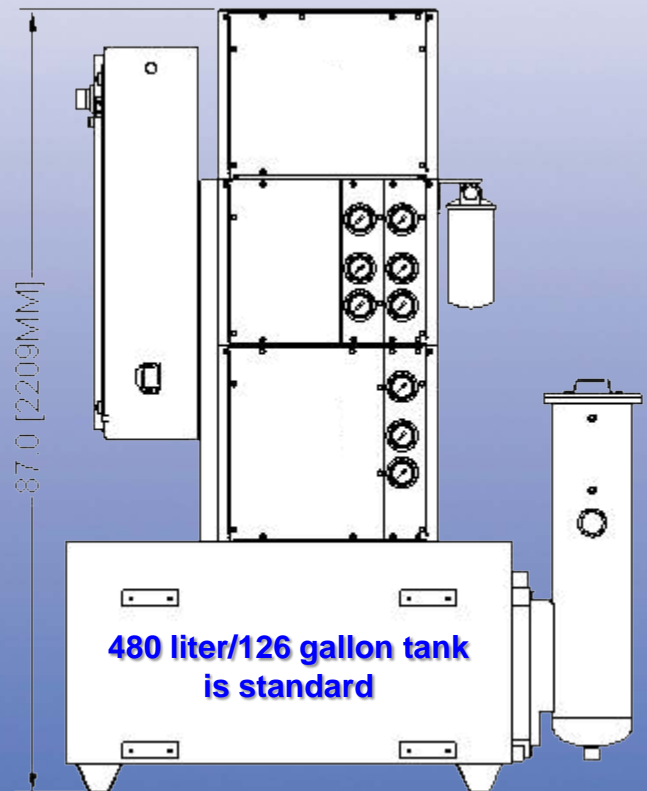
Installation kits allow "plug and play" installation. Engineered packages are available for most machine tools. Please contact ChipBLASTER for details.

#### •A Full Range of Safety Features

Safety features insures a safe machining process without damage to the machine tool, the part, or tooling. We can meet or exceed all international requirements for operator and machine tool protection with integrated automatic overload protection as well as many alarm circuits.



**30% Higher  
Productivity  
GUARANTEED!**



**24 to 120 liters per minute**  
**(9 to 31.5 gpm)**  
**Pressure to 100 bar**  
**(1500 psi)**

## GV3-120 STANDARD CONFIGURATION

The ChipBLASTER GV3-120 is fed by a transfer pump that draws from the machine tool sump, through the filter vessel to the integral 480 liter (126 gal) tank. When the machine tool calls for coolant, the filter pump(s) draws the coolant from the ChipBLASTER tank and pumps through the post (safety) filter to the inlet of the positive displacement pump. The coolant then flows at high pressure through a series of distribution and safety valves and on to the machine tool.

### M Code Requirement:

- 1 "M" code controlled signal is required to operate as one high volume outlet.
- 3 "M" code controlled signals are required to operate as three independent modules
- 4 "M" code controlled signals are required to operate as three independent modules AND one high volume outlet.

24 VDC, 110 VAC or 240 VAC signal is acceptable needed.  
•If your machine uses pulsed "M" codes, please contact ChipBLASTER

### Required Electrical Power:

- 82 amps, 230 VAC, 3 Phase, 60 Hz
- 41 amps, 460 VAC, 3 Phase, 60 Hz
- 49 amps, 400 VAC, 3 Phase, 50 Hz

**Ideal for machine tools up to 60 kw (80 hp), dual turret lathes and 50 taper mills**

## Options Available With Your ChipBLASTER:

### Extended Warranty

2, 3, 4, and 5 year parts warranty is available for absolutely predictable costs. (Your unit has a standard 1 year parts and labor warranty)

### Dual Filters

Additional filters allow filter changes "in-process" eliminating machine tool down time.

### Media Free Filtration

(Patent 10,933,565) The ChipBLASTER **Media Free Filter System** is designed to run without any disposable media! This unique, patented system allows continuous operation with no down time for filter changes and no messy piles of wet band filter material. Our media free filter requires no shutdown for maintenance.

### Tank Mount Chiller

ChipBLASTER offers an 2350 Watt (8000 Btu) or 3500 Watt (12,000Btu) tank mount chiller unit (requires 900 liter tank).

### Available with CE, CSA Certification

### Auto Filter Crossover

This system automatically will switch from dirty filter "A" to filter "B" and set off an alarm light alerting the operator that the filter needs to be changed at your convenience.

### Automatic Coolant Monitor and Adjust

Maintains the coolant concentration within 1% without operator intervention.

### Display

The current status of the ChipBLASTER and any faults are displayed. The PLC allows for display of the last 8 faults on the ChipBLASTER unit, as well as filter status, unit run time, and automatic "B" filter purges on units with automatic filter crossover.

### Operator Wash Down Wand

This will supply 2 bar (30 psi) of fluid for the machine wash down.

### Additional Coolant Outlet

Unit has 1 standard outlet per module (total of 3). One additional optional outlet per module is available (total of 6 per machine). Additional M codes are required for each additional outlet.



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