



# CHIP DISC FILTRATION (CDF)

Hennig's patented approach makes coolant filtration easy.



This affordable, versatile approach to chip removal is Hennig designed and patent protected. It is the simplest approach to coolant filtration in the market today, and is designed specifically for the following Haas machines:

**UMC-500 | UMC-750/1000 | UMC-1250 | UMC-1500 | EC400 | EC500 | EC630**

## TECHNICAL SPECIFICATIONS

|                                 |                          |
|---------------------------------|--------------------------|
| <b>Filtration</b>               | 120µm nominal            |
| <b>Type</b>                     | Hinge                    |
| <b>Style</b>                    | CDF                      |
| <b>Motor</b>                    | 1/4 hp                   |
| <b>Reducer</b>                  | 240:1                    |
| <b>Conveyor chain</b>           | C-2062HP                 |
| <b>Speed</b>                    | 2.2 m/min                |
| <b>Capacity</b>                 | 147 in <sup>3</sup> /min |
| <b>Filter coolant flow rate</b> | 50 gpm                   |
| <b>Voltage</b>                  | 220V / 1PH / 60Hz        |



**UMC-500**

**UMC-750/1000**

**UMC-1250**

**UMC-1500**

**EC400**

**EC500**

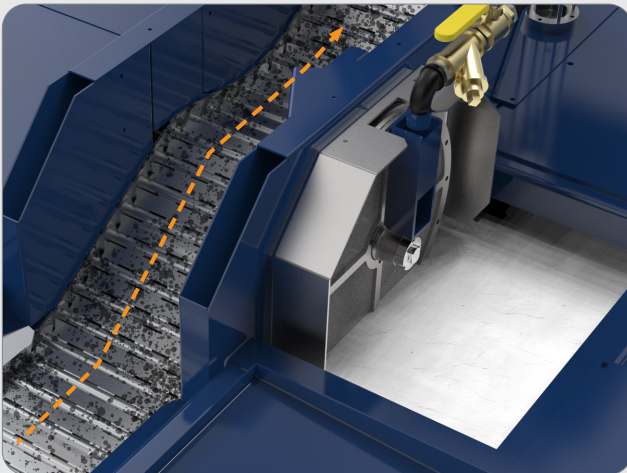
**EC630**

## COOLANT MANAGEMENT. SIMPLIFIED.

The patented Chip Disc Filtration (CDF) technology achieves high levels of filtration without two separate belts. Our patented disc design provides a direct coolant flow path into the coolant reservoir and can filter a wide variety of materials, both in water and oil based coolant.

## HOW IT WORKS

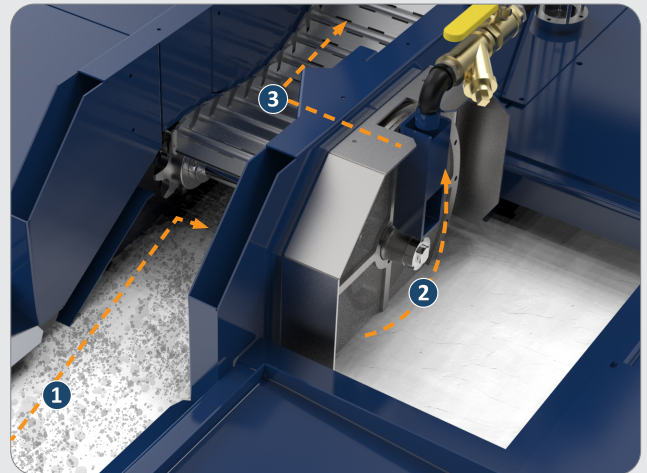
### COARSE CHIP REMOVAL



The hinge belt collects larger chips and particles for discharge into the chip hopper.

Removing coarse chips before they reach disc filter keeps them from bundling and jamming the system, which fosters extremely efficient fine particle filtration.

### FINE PARTICLE FILTRATION



- 1 Small particles that escape the belt naturally migrate with the coolant flow to the rotating disc filter.
- 2 There, particles are collected and the cleaned coolant flows back into your tank. The collected particles rotate with the disc filter and are lifted out of the coolant towards the backwash spray.
- 3 There, the particles are blasted onto the belt with a backwash spray and removed along with the coarse chips.

#### CONTINUOUS SELF-CLEANING

Continuous spraying of filtered coolant against the stainless steel media removes fines & chips. No outside source such as air or steam is used.

#### PATENTED DISC FILTRATION

Hennig's innovative design provides a direct coolant flow path into the coolant tank reservoir, and filters a wide variety of materials both in water and oil based coolants.

#### STAINLESS STEEL MEDIA

Handles momentary or continuous heavy chip loads from 25-120 microns nominal, which can be a problem with nylon mesh, drum filters.