



**|||| HENNIG®**

**PROTECT** YOUR SUCCESS

# CHIP & COOLANT MANAGEMENT

**CHIP CONVEYORS | COOLANT FILTRATION | HIGH-PRESSURE COOLANT SYSTEMS**  
**COOLANT TANKS | TURNKEY CHIP MANAGEMENT SYSTEMS | SPARE PARTS**

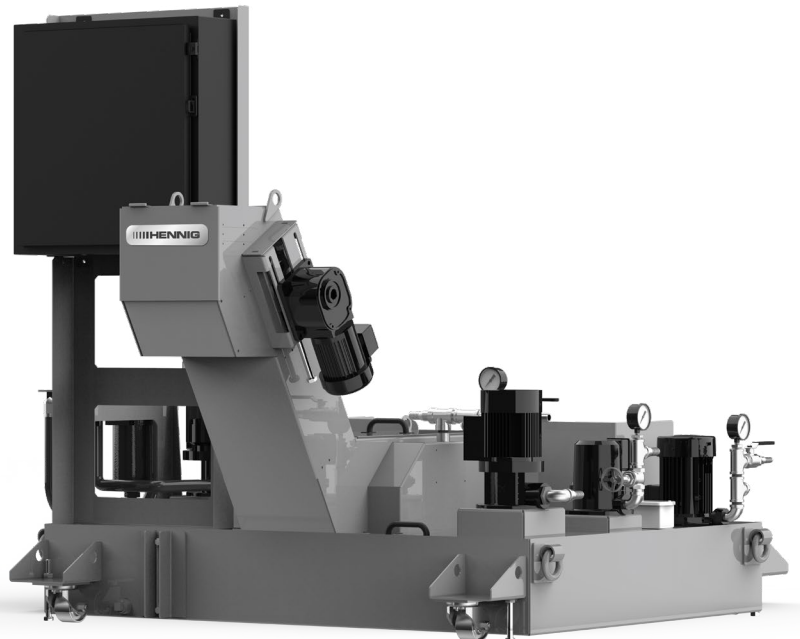
Safe processes are profitable processes. We make our customers successful by protecting people and machines from the manufacturing environment and waste.

# AT HENNIG, YOUR **SUCCESS** ALWAYS COMES FIRST.

Hennig Worldwide has been a global leader since 1950, specializing in chip and coolant management, machine protection, and facility safety. We work with a wide variety of manufacturers and other facilities worldwide, helping them create and maintain safe and efficient workplaces. Our commitment to excellence extends beyond our services—we actively contribute to local communities, create regional jobs, and support the global needs of machine tool customers.

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# PROTECT YOUR SUCCESS

Our chip and coolant management systems set the standard for removing chips and debris from machine coolant, improving the life of precision machine tools and the accuracy of output. They are supported worldwide with Hennig's global sales and support infrastructure, which includes manufacturing facilities and partnerships throughout the industrialized world.

Our worldwide network leads the industry in developing innovative chip conveyor technologies, offering a complete range of chip conveyor solutions tailored to particular machine types, performance requirements, and work area considerations. Our chip conveyors outperform expectations, even in the most demanding production environments, and they do it more efficiently and with less maintenance than other conveyor solutions.

# SYSTEM TYPES

## CHIP CONVEYORS



**Hinge Belt**  
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**Scraper Belt**  
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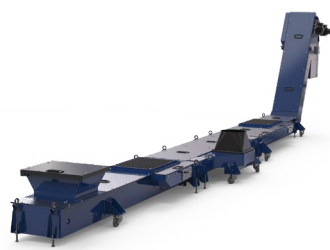
**Magnetic**  
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## COOLANT FILTRATION



**PureFlow**  
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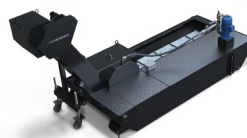
**Chip-Disc Filtration**  
page 12-13

## HIGH-PRESSURE COOLANT SYSTEMS

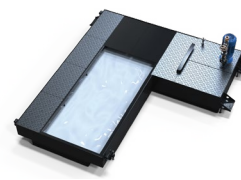


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## COOLANT TANKS



**Integrated Tanks**  
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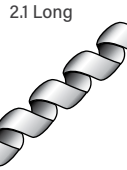


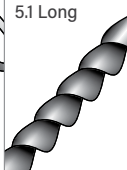
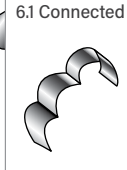
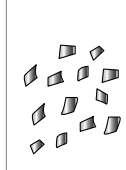
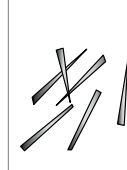
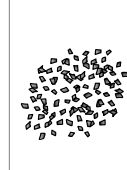
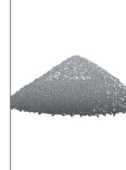
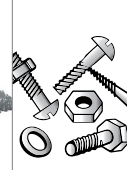





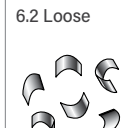


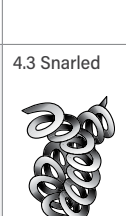
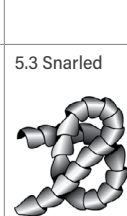
# CONVEYOR SELECTION GUIDE

## CONVEYOR SELECTION GUIDE BY CHIP FORM

Chip Type	Hinge	Scraper	Magnetic	Hinge (CDF)	Scraper (CDF)	Hinge (Pure Flow)	Scraper (Pure Flow)
1.1 Ribbon Long	●	○	●	●	○	●	○
1.2 Ribbon Short	●	●	●	●	●	●	●
1.3 Ribbon Snarled	●	○	●	●	○	●	○
2.1 Tubular Long	●	○	●	●	○	●	○
2.2 Tubular Short	●	●	●	●	●	●	●
2.3 Tubular Snarled	●	○	●	●	○	●	○
3.1 Spiral Flat	●	●	●	●	●	●	●
3.2 Spiral Conical	●	○	●	●	○	●	○
4.1 Washer Helical Long	●	○	●	●	○	●	○
4.2 Washer Helical Short	●	●	●	●	●	●	●
4.3 Washer Helical Snarled	●	○	●	●	○	●	○
5.1 Conical Helical Long	●	○	●	●	○	●	○
5.2 Conical Helical Short	●	●	●	●	●	●	●
5.3 Conical Helical Snarled	●	○	●	●	○	●	○
6.1 Arc Connected	●	○	●	●	○	●	○
6.2 Arc Loose	○	●	●	○	●	○	●
7 Elemental	○	●	●	○	●	○	●
8 Needle	●	●	●	●	●	●	●
9 Fines	○	●	○	○	●	○	●
10 Swarf, Sludge	○	●	○	○	●	○	●
11 Small Parts, Scrap	●	○	●	●	○	●	○

● Good    ● Suited under certain conditions    ○ Not recommended

## CHIP FORM SPECIFICATIONS (\*ACCORDING TO ISO 3685)

1 *Ribbon	2 *Tubular	3 *Spiral	4 *Washer Helical	5 *Conical Helical	6 *Arc	7 *Elemental	8 *Needle	9 Fines	10 Swarf, Sludge	11 Small Parts, Scrap
1.1 Long 	2.1 Long 	3.1 Flat 	4.1 Long 	5.1 Long 	6.1 Connected 					
1.2 Short 	2.2 Short 	3.2 Conical 	4.2 Short 	5.2 Short 	6.2 Loose 					
1.3 Snarled 	2.3 Snarled 		4.3 Snarled 	5.3 Snarled 						

# OVERVIEW

- For nearly any machine that makes a chip, we can design a conveyor that fits. We design coolant filtration and coolant recycling systems with any of the pump options or features required to maintain a clean coolant system.
- The Hennig Chip-Disc Filtration (CDF) System can reach nominal filtration down to 25 microns, but we offer further filtration for through spindle, high-pressure systems such as cyclonic, cartridge, or bag filtration.
- If your conveyor system requires integration in machine controls or automation beyond our standard control system, we can build a tailor-made solution that does the job.
- If you're looking to further process your chips for shredding or recycling, we can integrate any of the technology required.
- We have a long history serving the machine tool industry, but we've made plenty of specialized conveyors that move finished parts, machined remnants, scrap materials, and other items beyond metal chips.
- We'll help you integrate all of the technology and controls you need to take chips and coolant management to a higher standard.

## OPTIONS

**STANDARD VFD OR PUSH-BUTTON CONTROL BOX**

**OVERHEAD TORQUE LIMITER**

**CUSTOM COOLANT TANKS & FILTRATION**

Integrated or auxiliary

**CUSTOM CHUTES**

**HEAVY-DUTY HARDENED RAILS AND CURVES**

**AIR KNIFE**

For removing sticky chips from belt at the discharge end

**WEAR RESISTANT BOTTOM FRAME**

**ON-SITE INSTALLATION**

**CASTERS**

## FEATURES

**OVERLOAD/JAM PROTECTION**

**VARIABLE SPEED DRIVE**

0.8 m/min - 3.3 m/min

**PAINT**

Textured grey, black (standard)

Custom colors as required

**INCLINE ANGLE**

60° / 45° (standard)

Custom angles as required

**LOW PROFILE DESIGN**



# CHIP CONVEYORS

## HINGE BELT (LINK, CHAIN)

A proven conveyor solution for a variety of materials, chip types, and chip loads. Hinge belts, the most common conveyor type, can be modified to handle more troublesome waste like tough scrap and heavy parts.

### OPTIONS

**Belt Design:** Plain, perforated, dimpled, combo

**Belt Pitches, in (mm):** 1.5 (38.1), 2.5 (63.0)

**Cleats:** Serrated, flat, inverted "v", custom

**Integrated Coolant Tank**

**Coolant Filtration**

**Heavy-duty Impact Plates:** For heavy scrap or parts

**Top Hat Cover:** For bundled chips

**Hinge Kit:** Service and replacement parts (see pages 16-17)



## SCRAPER BELT (DRAG, FLIGHT)

An ideal solution for fine chips and swarf, the scraper belt moves in reverse, collecting and dragging chips up the incline to the discharge end. Standard scraper paddles can be customized with wipers to the application.

### OPTIONS

**Paddles:** Standard or custom angle

**Wipers**

**Integrated Coolant Tank**

**Coolant Filtration**

**Solid Drum Magnet:** For floating, ferrous chips when using coolant

**Wearing Resistant Construction:** Hardened rails, curves, and bottom frame

**Scraper Kit:** Service and replacement parts (see pages 16-17)



# CHIP CONVEYORS

## MAGNETIC

Intended for ferrous material applications with chips (100 micron and above), small parts or scraps. Not ideal for swarf and sludge. Our closed oil system lubricates all internal parts automatically, resulting in no maintenance, no oil refills, no manually lubricating bearings or bushings

## FEATURES

**Closed Oil System:** Never needs to be refilled or maintained

**Heavy Duty Die Springs:** Keeps infeed sprocket and tail shaft adjusted properly

**Sunflower Based Oil**

**High Temperature Resistance:** Up to 180°F

## OPTIONS

**Coolant Tanks**

**Part/Chip De-magnetizer**

**Dimpled Slider Bed:** To prevent hydro-locking



# CHIP CONVEYORS

## AUGER (SCREW)

Ideal for limited space applications, the auger system can be installed in the machine tool or directly into the foundation/slab. The addition of a mobile (transfer) conveyor can be used to roll around the shop and assist with chip removal from high production auger fed systems.

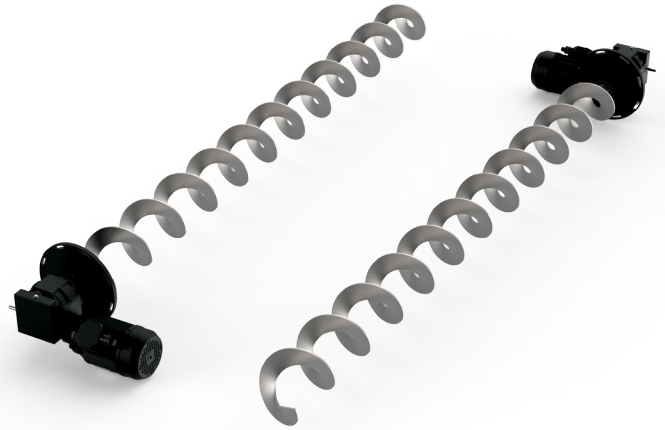
### OPTIONS

#### Torque Limiter

**Installation:** In auger or directly in machine frame

**Screw:** Centerless auger (standard)

**Mobile (Transfer) Setup:** See below for details



## MOBILE (AUGER-ASSISTING, PORTABLE)

The mobile conveyor provides machine operators with a convenient way to lift chips into full size barrel or hopper-high receptacles. It reduces machine clean-out effort and eliminates back related fatigue. The portable conveyor can be used for periodic clean-out of multiple machines or dedicated full time to any machine generating high volumes of chips. Position the conveyor under the chip chute of any auger chip flume, plug it in, and turn it on. Coolant that collects in the conveyor will be carried out by the chips so the conveyor never requires draining. Variable speed drive (VFD) is standard.

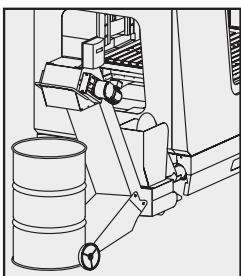
### OPTIONS

#### Adjustable Chip Chute

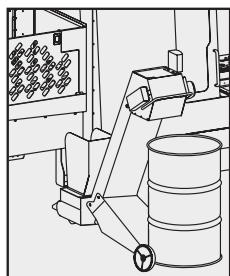
The opening of the chip hopper may be oriented directly toward the tail section of the conveyor, to the right, or to the left, by unscrewing the four bolts holding the hopper in place, removing it, rotating it to the desired position and bolting it back in place.



### ADJUSTABLE CHIP CHUTE ORIENTATION



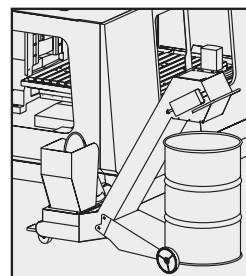
**A:** Toward tail section



**B:** With APCQ



**C:** To Left



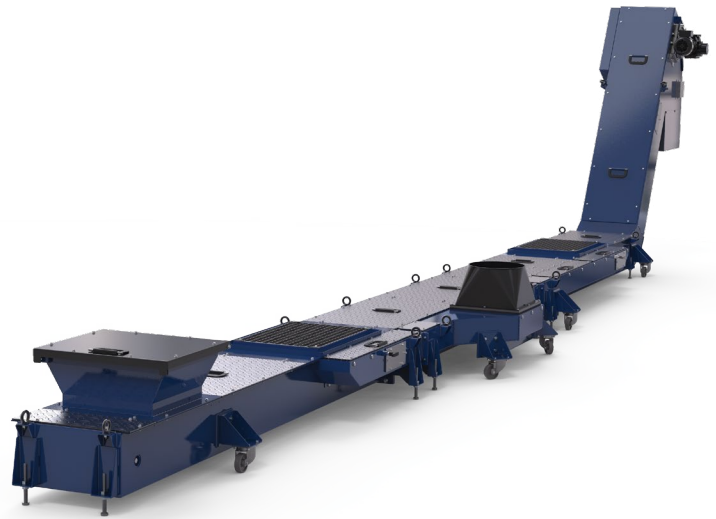
**D:** To Right

# TURNKEY/NETWORK SYSTEMS

## ENGINEERED FOR YOUR APPLICATION

Unique work environments. Specialized machine configurations. Varying chip volumes. These are just a few of the special requirements that indicate the need for a custom chip conveyor solution. Hennig engineers can create modified or special solutions to meet the needs of virtually any application; for example, dust and gas removal during dry machining, or part and scrap removal.

If your conveyor system requires integration in the machine controls or automation beyond our standard control system, we can build a tailor-made solution that does the job. If you're looking to further process your chips for shredding or recycling, we can integrate any of the technology required.



## OPTIONS

**Suction Device:** For fumes, mist, and dust

**Chip Shredder**

**Swarf Centrifuge**

**Swiveling Chutes:** Manual or automated

**Wearing Plate:** With hardened bottom frame

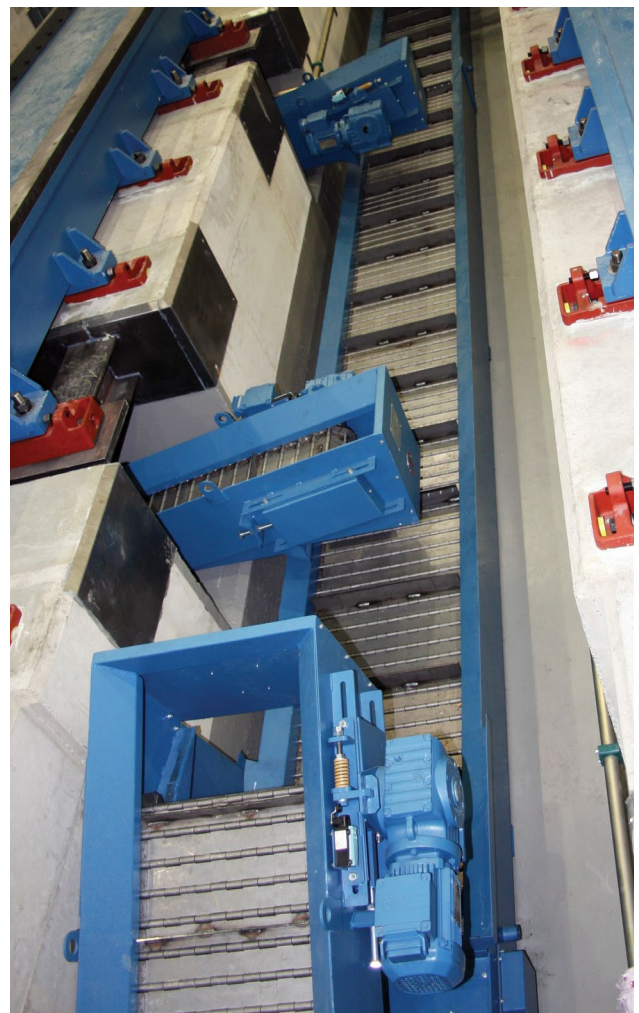
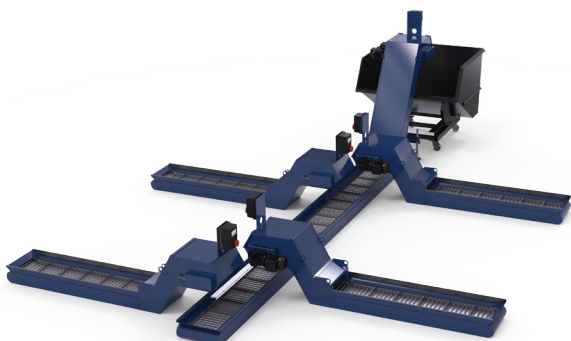
**Chip Compactor**

**Vibrating Table**

**Coolant Filtration**

## CONVEYOR NETWORKS

Fully automate the waste removal in your facility with integrated coolant tanks and conveyor networks. For high-volume manufacturers, Hennig's integrated systems can automate the removal of chips on one or all of the machine tools in the shop. This system allows the user to spend more time manufacturing and less time sweeping and moving chips.



# PUREFLOW

## SELF-CLEANING FILTRATION SYSTEM

Designed for water based coolants, the PureFlow system equips machines requiring medium continuous filtration at 250 or 500 microns. PureFlow is easily implemented, working with existing coolant tanks supplied by OEMs.

### FEATURES

**Self-cleaning Filter Boxes:** Ditch the filter bags with the self-cleaning filter box.

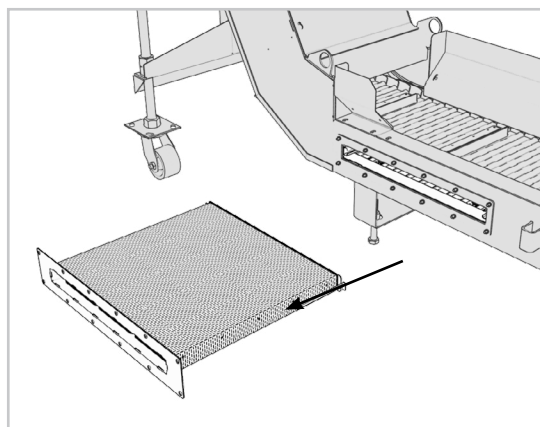
**Stainless Steel Brushes:** For cleaning the filter box

**Works With:** Hinge belt

### OPTIONS

**Filtration:** 250 or 500 Microns

**Air Knife**



*The filter box is easy to remove for quick and easy cleaning.*



# CHIP-DISC FILTRATION (CDF)

## 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, down to 25 microns nominal.

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. The Hennig CDF system is simple by design, and can be used with scraper or hinge belt conveyors.

## CAST IRON FILTRATION. MADE EASY.

For the notoriously difficult cast iron applications, the addition of a solid rotating magnetic drum can be incorporated for efficient removal of floating chips, fines, and sludge.

## OPTIONS

- Belt Type:** Can be used with scraper belt or hinge belt
- Filter Disc Diameter:** 12" (305mm), 16" (406 mm)
- Single or Multiple Discs:** Depending on coolant flow rate
- Solid Rotating Magnetic Drum:** For collecting cast iron sludge/swarf
- Cartridge, Cyclonic, or Bag Filters:** For filtration down to 10 microns
- Air Knife:** For removing sticky chips from belt
- Sludge Pot:** For easy sludge/swarf disposal

## FEATURES

1. Main Flood Coolant Pumps
2. High Pressure Pump: 300-1000 PSI (21-69 Bar)
3. Backwash CDF Pump
4. Disc Access Cover Panels
5. Coolant Tank
6. Control Box: Shown with HMI controls
7. Low Inlet Height
8. Additional Filtration As Needed:  
Cartridge, Cyclonic, or Bag Filters

## ONE BELT SYSTEM FOR ALL CHIP TYPES

Unlike many nylon mesh drum systems, CDF technology does not need two belt systems to handle stringy chips, and can be used with hinge or scraper belts.

## CONTINUOUS SELF-CLEANING OPERATION

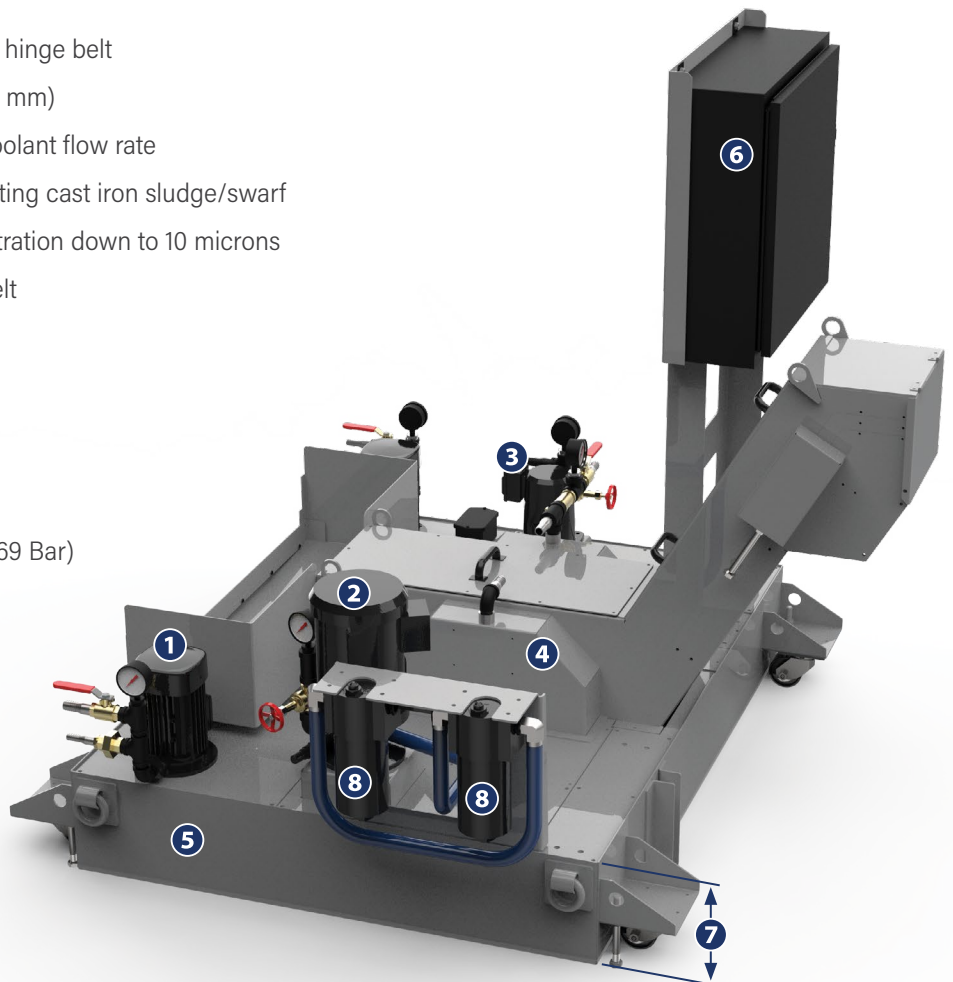
Continuous spraying of filtered coolant against the stainless steel media removes fines and chips. No outside source such as air or steam is used.

## PATENTED DISC FILTRATION DESIGN

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.



# CHIP-DISC FILTRATION (CDF)

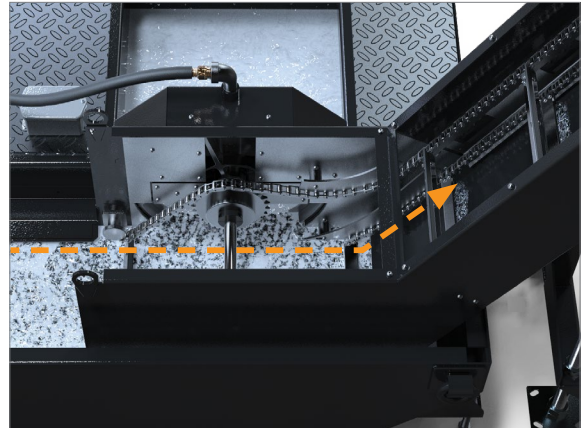
## HOW IT WORKS

### 1 COARSE CHIP REMOVAL

#### With hinge or scraper belt

The belt (hinge or scraper) 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.



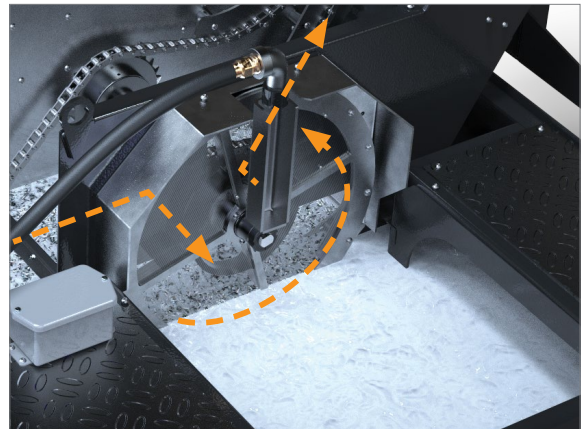
### 2 FINE PARTICLE FILTRATION

#### Filtering coolant

Small particles that escape the belt naturally migrate with the coolant flow to the rotating disc filter. There, particles down to 25 microns are collected and the cleaned coolant flows back into your tank.

#### Removing particles

The collected particles rotate with the disc filter and are lifted out of the coolant, towards the backwash spray. There, the particles are blasted onto the belt with a backwash spray and removed along with the coarse chips.

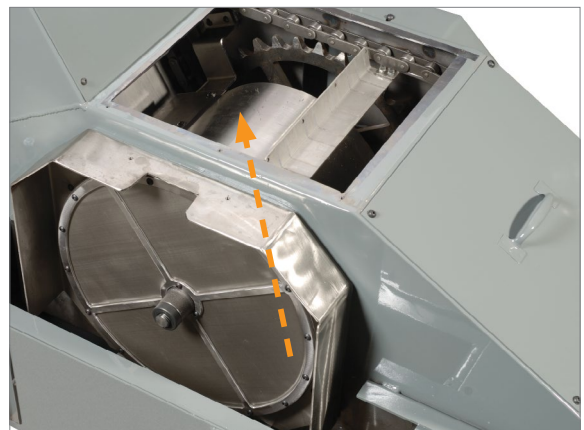


### 3 CAST IRON MICRO-FILTRATION

#### Collecting & discarding cast iron fines

If you're looking to filter cast iron fines, the addition of a solid rotating magnetic drum allows for cast iron fines to be collected and removed from the coolant.

When enough particles have collected on the magnetic drum to form a heavy sludge, the sludge drops onto the dry conveyor incline and is discarded along with the coarse chips and particles that have been collected on the disc filter into the chip hopper.



Magnetic drum for collecting cast iron fines

# VARIFLOW: HIGH PRESSURE COOLANT SYSTEMS

## DYNAMICALLY ADJUST THE FLOW OF COOLANT

### All of the pressure, none of the stress.

The new VariFlow Gen4 high pressure coolant system offers top of the line performance in a small, economic package. Utilizing our Adaptive Flow Control, the VariFlow dynamically adjusts the flow of coolant to output the desired pressure that can be set from the VariFlow's HMI or the machine's RS-232 port. This variable flow system can reduce energy consumption, coolant foaming and heat generated from a pump running at a fixed flow. The new VariFlow Gen4 sets a new standard for high pressure coolant systems by bringing top of the line technology to a small platform that is priced similarly to the competitor's base models.

## FEATURES

- Adaptive Flow Control (switch with the push of a button)
- 250 PSI (17.2 bar)
- 500 PSI (34.4 bar)
- 750 PSI (51.7 bar)
- 1,000 PSI (69 bar)
- Up to 8 GPM (3.8 L/min)
- Single Plug Electrical Interface
- 25 Gallon Reservoir
- IOT Connectivity
- User Interface
- Caster Wheels
- 2 Year Warranty
- System Status Light



**Easy access filter**  
10-micron bag filter



**25 gallon reservoir**  
With built-in, 10-micron filter



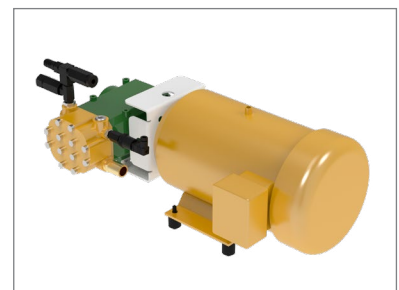
**Control interface**  
Set pressure & view filter life



**Status light**  
On (green)  
Idle (blue)  
Warning (red)



**Built-in transfer pump**  
No external pump or wiring



**Direct drive pump**  
No belts  
VFD driven motor  
Smooth, quiet operation

# INTEGRATED & AUXILIARY TANKS

## CUSTOM ENGINEERED.

Using integrated or auxiliary tanks, coolant is quickly cleaned and recycled during the machining process, resulting in fewer interruptions and less downtime.

Our tanks are made from heavy gauge steel to provide leak-free service in harsh shop environments. Removable cover plates allow easy access to the tank's interior for quick, easy maintenance. Liquid level sight gages are a standard feature, and baffles, chip baskets, and removable screens can also be added.

## OPTIONS

**Auxiliary or Integrated Tanks**

**Removable Cover Plates**

**Liquid Level Gages**

**Baffles, Chip Baskets, Screens**

**Filters (Cartridge, Bag, Cyclonic)**

**Float Switches**

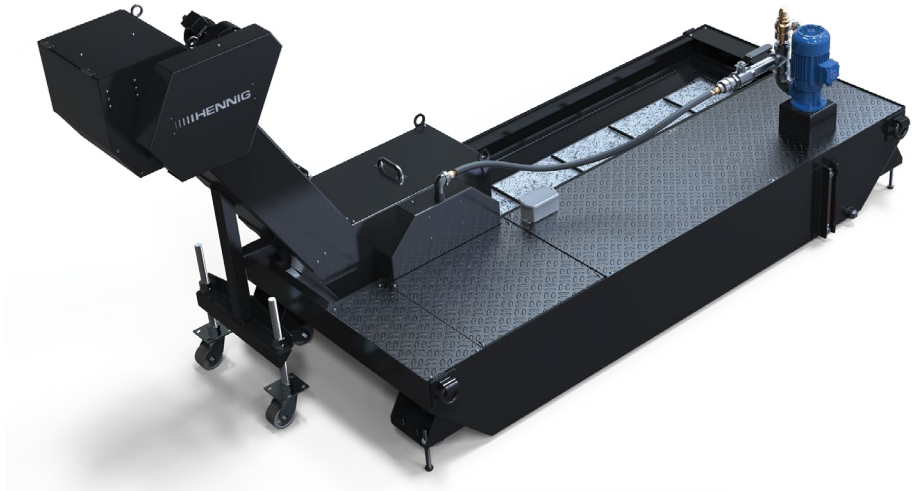
**Oil Skimmers**

**Coolant Pumps**

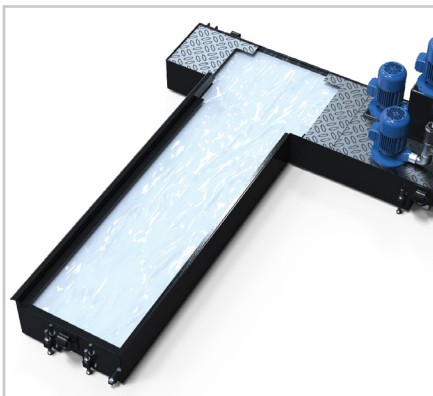
**Custom g/min or PSI Requirements**

**Integrated Controls:**

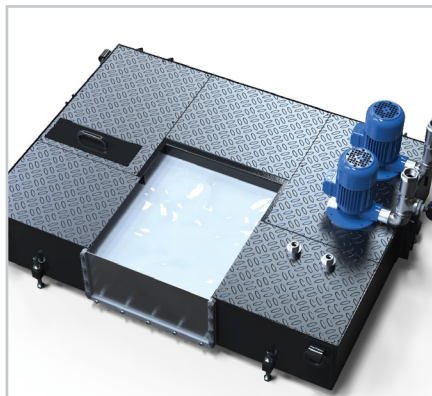
For pump/filter automation



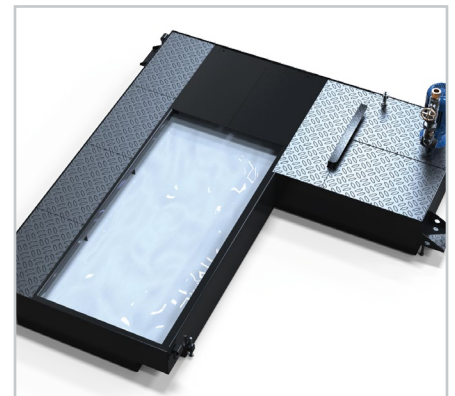
CDF conveyor with integrated coolant tank



T-shaped auxiliary coolant tank



Square-shaped auxiliary coolant tank



L-shaped auxiliary coolant tank

SPARE PARTS

When your conveyor needs service or repair, we have parts in stock to get your conveyor up and running, as well as the skilled personnel to repair or replace the damaged or worn parts. Conveyor belts, drive motors, and other parts can get damaged, worn, or just get old. Before investing in an entirely new system, check with us to see if your existing system can be repaired.

To order spare parts, simply provide us with the Hennig No., Serial No., and Customer No. found on your conveyor tag, and the parts you need to replace from the list below.

Look for this tag on your conveyor system for the reference numbers.

The tag is typically found on either side of the discharge head.



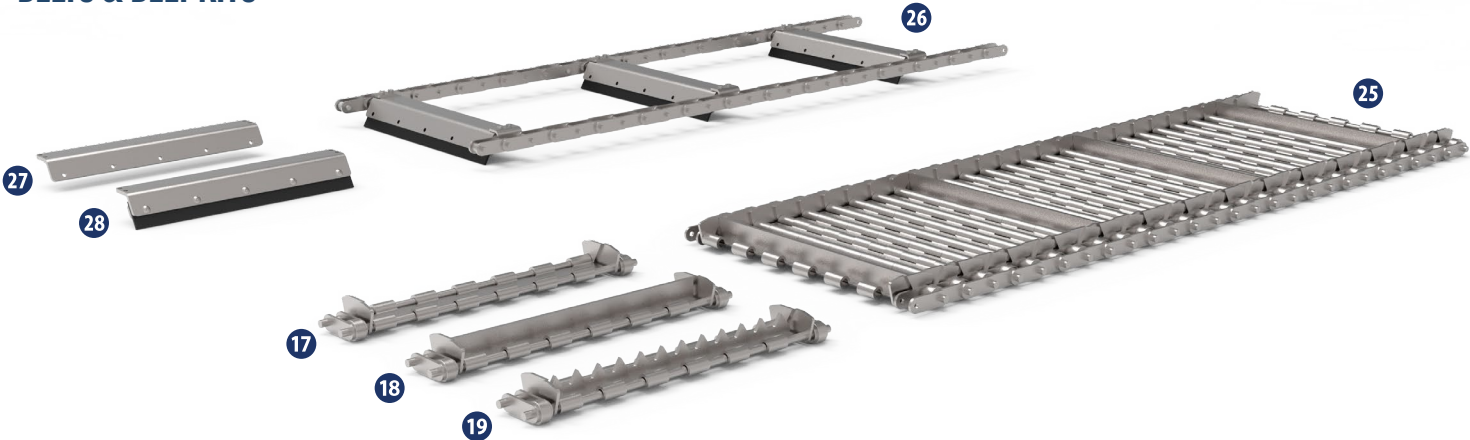
CONVEYOR PARTS		BELTS & BELT KITS
1. Front Chain Guard	12 Drive Chain	25 Hinge Belt (whole belt replacement)
2. Torque Limiter Assembly	13 Flip Lid	17** Hinge Kit (standard)
3 Inside Chain Guard	14 Gear Motor Sprocket	18** Hinge Kit (with plain cleat)
4 Take-Up Bearing	15 Gear Motor	19** Hinge Kit (with serrated cleat)
5 Belt Sprocket	16 Adjustable Supports	26 Scraper Belt (whole belt replacement)
6 LH Inner Guard	20* Rail Knobs/Idler Shaft Assembly	27 Scraper Blade Kit
7 RH Inner Guard	22 Control Box (VFD)	28 Poly Scraper Blade Kit
8 Torque Limiter Key/Direct Drive Key	21 Motor Bracket	
9 Belt Sprocket Key	23 Motor Cover	
10 Drive Shaft	24 Caster Assembly (option)	
11 Bearing Cover		

\* Our conveyors use either rail knobs or an idler shaft assembly. If you're not sure which one your system has, contact us with the Hennig Part No. and we'll let you know which setup your system uses.

\*\* Hinge kits come complete with the hinge plate—with plain or serrated cleat if required (x1), shaft (x2), slip fit link connector (x2), slip fit link (x2), side plate/wing (x2), cotter pins (x4), and washers (x4). Items are not sold separately.



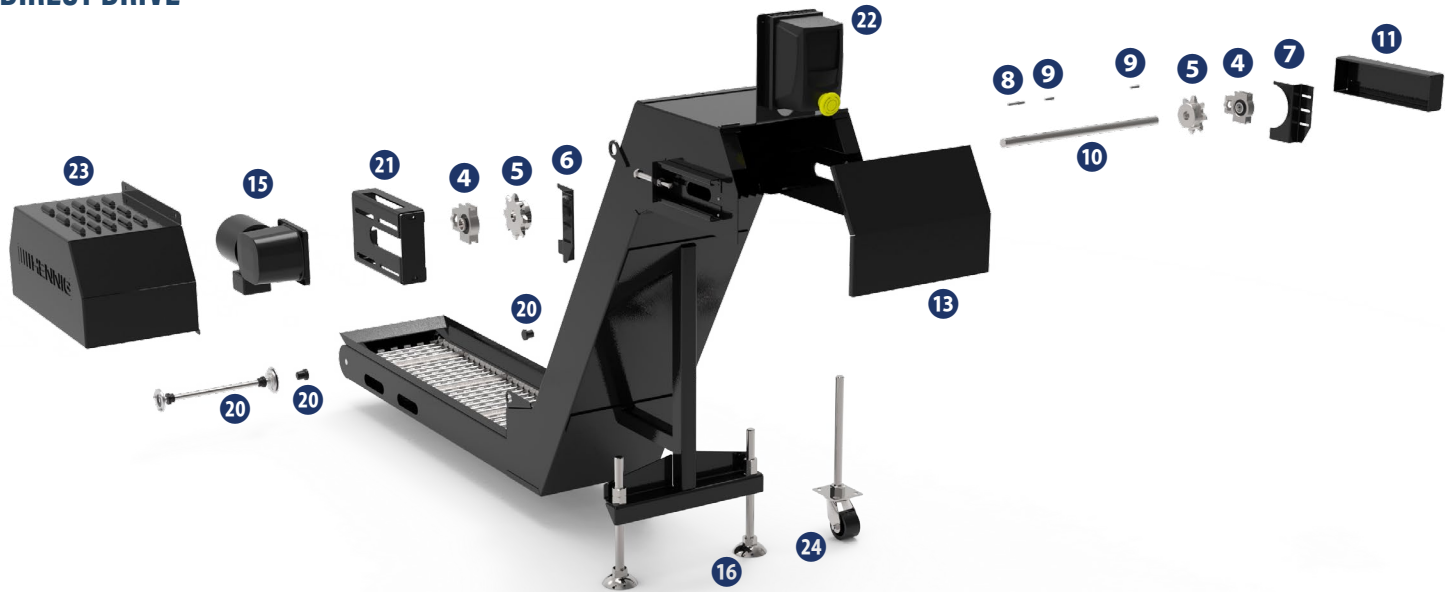
BELTS & BELT KITS



OVERHEAD CHAIN DRIVE



DIRECT DRIVE



# QUOTE REQUEST (HINGE, SCRAPER, MAGNETIC)

Please complete this form and email to [info@hennig-inc.com](mailto:info@hennig-inc.com).

## COMPANY

Company Name \_\_\_\_\_  
 Company Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

## EXISTING CONVEYOR (If you have the conveyor part number, disregard the sections below)

Brand ☐ Hennig ☐ Enomoto ☐ Hennig-France (formerly Sermeto) ☐ Cobsen ☐ Other \_\_\_\_\_  
 Part # \_\_\_\_\_ Serial # \_\_\_\_\_  
 Belt Type ☐ Hinge (☐ Plain ☐ Perf ☐ Dimple) ☐ Scraper ☐ Magnetic

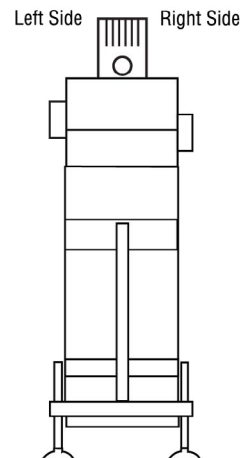
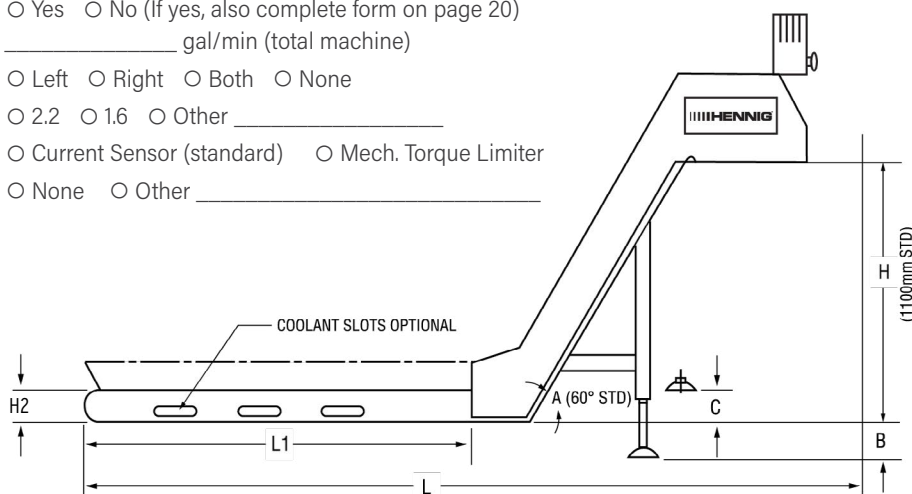
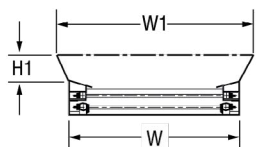
## MACHINE INFORMATION

Make \_\_\_\_\_ Model \_\_\_\_\_  
 Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other \_\_\_\_\_ Chip Volume \_\_\_\_\_ in<sup>3</sup>/min  
 Spindle Horse Power \_\_\_\_\_ hp Available Power ☐ 440 ☐ 220 ☐ 110 ☐ 24 VDC ☐ Other \_\_\_\_\_  
 Chip Material ☐ Soft Steel ☐ Hard Steel ☐ Stainless Steel ☐ Brass/Copper ☐ Cast Iron ☐ Aluminum ☐ Cast Aluminum  
☐ Other \_\_\_\_\_  
 Kind of Chips ☐ Fine ☐ Broken ☐ Large Broken ☐ Lg Bushy ☐ Tight Bushy Available References ☐ Photos ☐ Drawings

## CONVEYOR TECHNICAL DATA

UOM ☐ inch ☐ mm  
 L1 Intake Length \_\_\_\_\_  
 L Max Length \_\_\_\_\_  
 H Discharge Height \_\_\_\_\_  
 W Max Width \_\_\_\_\_  
 A Angle (45°, 60°) \_\_\_\_\_  
 W1 Width of Chip Chute \_\_\_\_\_  
 H1 Height of Chip Chute \_\_\_\_\_  
 H2 (1.5" pitch belt) 120 mm  
 H2 (2.5" pitch belt) 200 mm  
 B Belt Width \_\_\_\_\_  
 Foot Location (Distance) ☐ B ☐ C (\_\_\_\_\_)  
 Casters ☐ Yes ☐ No  
 Coolant Tank Required ☐ Yes ☐ No (If yes, also complete form on page 20)  
 Coolant Flow Rate \_\_\_\_\_ gal/min (total machine)  
 Coolant Slots ☐ Left ☐ Right ☐ Both ☐ None  
 Conveyor Speed (m/min) ☐ 2.2 ☐ 1.6 ☐ Other \_\_\_\_\_  
 Overload Protection ☐ Current Sensor (standard) ☐ Mech. Torque Limiter  
☐ None ☐ Other \_\_\_\_\_

Installed Location ☐ On Floor ☐ Inside Machine ☐ Inside Pit ☐ Inside Tank  
 Motor Location ☐ Left ☐ Right  
 Power Requirements V \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_  
 Control Box ☐ Yes ☐ No (if yes, select type below)  
☐ Variable Speed (standard) ☐ 3 Button Box (fwd, rev, e-stop)  
☐ Auto/Mechanical Selector Switch  
☐ Electrical Plug (If selected, please specify) \_\_\_\_\_  
 Control Box Location ☐ Top Front ☐ Top Left ☐ Top Right ☐ Left Side  
☐ Right Side ☐ Stand Alone  
 Paint (texture powder coated) ☐ Grey Texture ☐ Black Texture  
☐ Other \_\_\_\_\_



# QUOTE REQUEST (CDF)

Please complete this form and email to [info@hennig-inc.com](mailto:info@hennig-inc.com).

## COMPANY

Company Name \_\_\_\_\_  
 Company Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

## EXISTING CONVEYOR (If you have the conveyor part number, disregard the sections below)

Brand ☐ Hennig ☐ Enomoto ☐ Hennig-France (formerly Sermeto) ☐ Cobsen ☐ Other \_\_\_\_\_  
 Part # \_\_\_\_\_ Serial # \_\_\_\_\_  
 Belt Type ☐ Hinge (☐ Plain ☐ Perf ☐ Dimple) ☐ Scraper ☐ Magnetic

## MACHINE INFORMATION

Make \_\_\_\_\_ Model \_\_\_\_\_  
 Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other \_\_\_\_\_ Chip Volume \_\_\_\_\_ in<sup>3</sup>/min  
 Spindle Horse Power \_\_\_\_\_ hp Available Power ☐ 440 ☐ 220 ☐ 110 ☐ 24 VDC ☐ Other \_\_\_\_\_  
 Chip Material ☐ Soft Steel ☐ Hard Steel ☐ Stainless Steel ☐ Brass/Copper ☐ Cast Iron ☐ Aluminum ☐ Cast Aluminum  
☐ Other \_\_\_\_\_  
 Kind of Chips ☐ Fine ☐ Broken ☐ Large Broken ☐ Lg Bushy ☐ Tight Bushy Available References ☐ Photos ☐ Drawings

## CONVEYOR TECHNICAL DATA

UOM ☐ inch ☐ mm  
 L1 Intake Length \_\_\_\_\_  
 L Max Length \_\_\_\_\_  
 H Discharge Height \_\_\_\_\_  
 W Max Width \_\_\_\_\_  
 A Angle (45°, 60°) \_\_\_\_\_  
 W1 Width of Chip Chute \_\_\_\_\_  
 H1 Height of Chip Chute \_\_\_\_\_  
 H2 (1.5" pitch belt) 120 mm  
 H2 (2.5" pitch belt) 200 mm  
 B Belt Width \_\_\_\_\_

Foot Location (Distance) ☐ B ☐ C (\_\_\_\_\_)

Casters ☐ Yes ☐ No

Coolant Tank Required ☐ Yes ☐ No (If yes, also complete form on page 20)

Coolant Flow Rate \_\_\_\_\_ gal/min (total machine)

Coolant Type ☐ Water Soluble ☐ Synthetic ☐ Oil \_\_\_\_\_ ssu ☐ Other \_\_\_\_\_

Filtration Level (microns) ☐ 25-30 ☐ 35-40 ☐ 40-45 ☐ Other \_\_\_\_\_

Conveyor Speed (m/min) ☐ 2.2 ☐ 1.6 ☐ Other \_\_\_\_\_

Overload Protection ☐ Current Sensor (standard) ☐ Mech. Torque Limiter  
☐ None ☐ Other \_\_\_\_\_

Installed Location ☐ On Floor ☐ Inside Machine ☐ Inside Pit ☐ Inside Tank

Motor Location ☐ Left ☐ Right

Power Requirements V \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_

Control Box ☐ Yes ☐ No (if yes, select type below)

☐ Variable Speed (standard) ☐ 3 Button Box (fwd, rev, e-stop)

☐ Auto/Mechanical Selector Switch

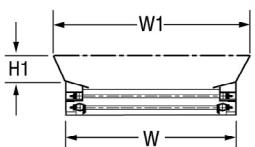
☐ Electrical Plug (If selected, please specify) \_\_\_\_\_

Control Box Location ☐ Top Front ☐ Top Left ☐ Top Right ☐ Left Side

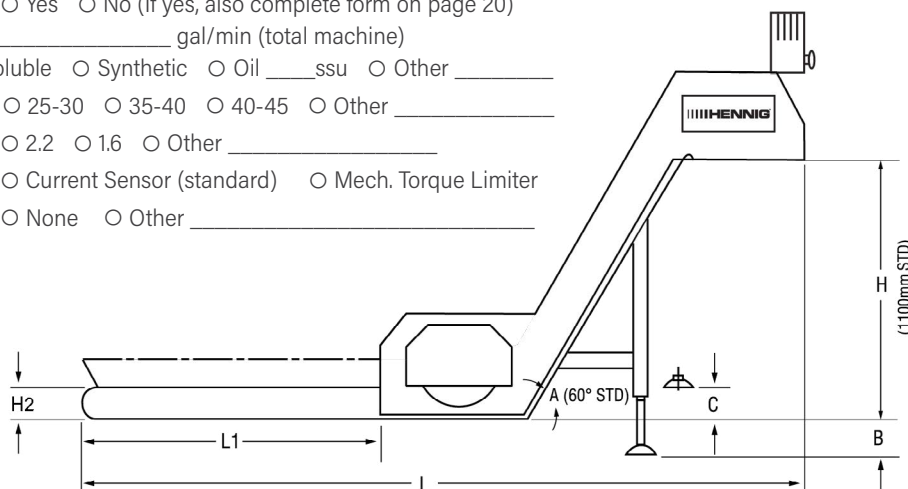
☐ Right Side ☐ Stand Alone

Paint (texture powder coated) ☐ Grey Texture ☐ Black Texture

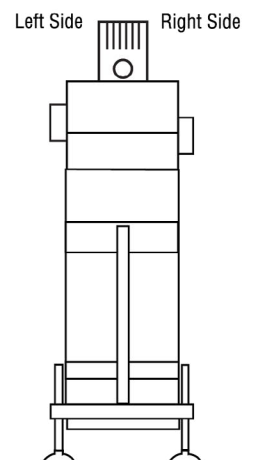
☐ Other \_\_\_\_\_



INLET CROSS SECTION



LEFT SIDE PROFILE VIEW



FRONT VIEW

# QUOTE REQUEST (AUGER)

Please complete this form and email to [info@hennig-inc.com](mailto:info@hennig-inc.com).

## COMPANY

Company Name \_\_\_\_\_  
 Company Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

## MACHINE INFORMATION

Make \_\_\_\_\_ Model \_\_\_\_\_  
 Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other \_\_\_\_\_ Chip Volume \_\_\_\_\_ in<sup>3</sup>/min

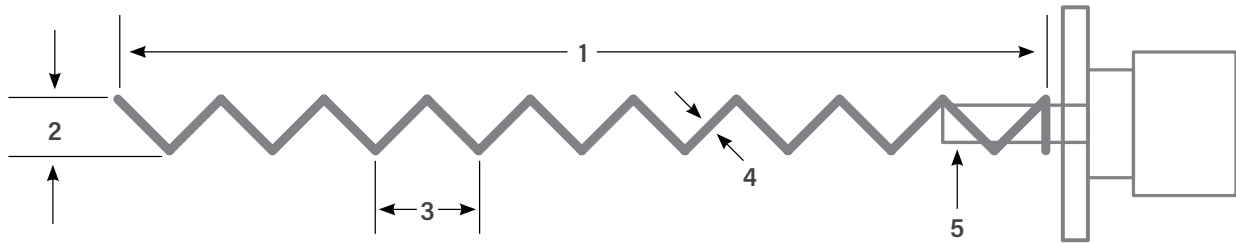
## AUGER DETAILS

UOM ☐ inch ☐ mm

- 1 End-to-End Length \_\_\_\_\_
- 2 Spiral Outside Diameter \_\_\_\_\_
- 3 Pitch \_\_\_\_\_
- 4 Spiral Metal Thickness \_\_\_\_\_
- 5 Drive Shaft Diameter \_\_\_\_\_

Direction ☐ Right Hand ☐ Left Hand

Additional Information \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



## MOUNTING TYPE



- ☐ **A** (Internal hub bored to driveshaft, secured with bolt or set screw)



- ☐ **B** (Slip connection that fits tightly onto driveshaft, connected with a pin)



- ☐ **C** (Combination of A and B)



- ☐ **D** (Spiral only, to be welded directly onto driveshaft)

# QUOTE REQUEST (COOLANT TANK)

Please complete this form and email to [info@hennig-inc.com](mailto:info@hennig-inc.com).

## COMPANY

Company Name \_\_\_\_\_  
 Company Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_

## MACHINE INFORMATION

Make \_\_\_\_\_

Model \_\_\_\_\_

Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other \_\_\_\_\_ Available References ☐ Photos ☐ Drawings

## COOLANT TANK DETAILS

UOM ☐ inch ☐ mm

Tank Shape ☐ Square/Rectangle ☐ L Shape ☐ T Shape

☐ Other \_\_\_\_\_

L \_\_\_\_\_ W \_\_\_\_\_

L1 \_\_\_\_\_ W1 \_\_\_\_\_

L2 \_\_\_\_\_ H \_\_\_\_\_

Tank Mounting ☐ On Floor ☐ In Pit ☐ Other \_\_\_\_\_

Tank Options ☐ Casters ☐ Leveling Bolts ☐ Inspection Cover  
☐ Removable Screen(s) ☐ Other \_\_\_\_\_

Paint (texture powder coated) ☐ Grey Texture ☐ Black Texture  
☐ Other \_\_\_\_\_

Pump 1 ☐ None ☐ Model \_\_\_\_\_  
 Flow Rate \_\_\_\_\_ Pressure \_\_\_\_\_ Voltage \_\_\_\_\_

Pump 2 ☐ None ☐ Model \_\_\_\_\_  
 Flow Rate \_\_\_\_\_ Pressure \_\_\_\_\_ Voltage \_\_\_\_\_

Pump 3 ☐ None ☐ Model \_\_\_\_\_  
 Flow Rate \_\_\_\_\_ Pressure \_\_\_\_\_ Voltage \_\_\_\_\_

Filter ☐ Single Canister Bag ☐ Dual Canister Bag ☐ Cyclonic

Required Filtration Level (microns) \_\_\_\_\_

Float Switch ☐ High Level ☐ Low Level  
☐ High & Low Level ☐ None

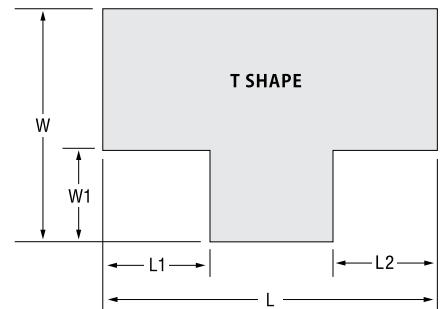
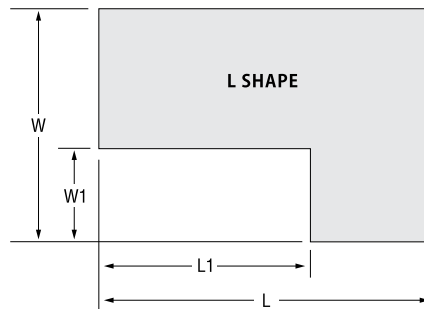
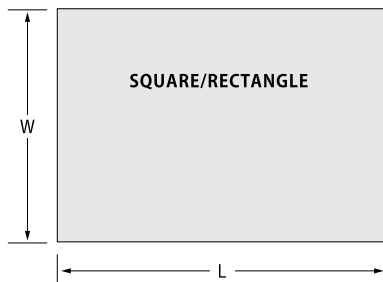
Oil Skimmer ☐ Yes ☐ No

Coolant Capacity (gallons) \_\_\_\_\_

Coolant Flow Rate (gal/min total machine) \_\_\_\_\_

Additional Options/Information \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# FACILITIES & CONTACTS

# ||| HENNIG®

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- Manufacturing / Distribution / Service Center
- Manufacturing / Distribution
- Sales Partner
- Service Center



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F: + 81 583 897435  
kashida@enomotoweb.com

The background of the entire page is a dark blue, monochromatic image of metal shavings or chips, likely from a manufacturing process, creating a textured, industrial feel.

# |||| HENNIG®

**PROTECT** YOUR SUCCESS

## WE'VE GOT YOUR BACK

Hennig Worldwide has been a global leader since 1950, specializing in chip and coolant management, machine protection, and facility safety. We work with a wide variety of manufacturers and other facilities worldwide, helping them create and maintain safe and efficient workplaces. Our commitment to excellence extends beyond our services—we actively contribute to local communities, create regional jobs, and support the global needs of machine tool customers.

**ISO 9001:2015**  
**REGISTERED**

9900 North Alpine Road  
Machesney Park, IL 61115  
815.636.9900

[hennigworldwide.com](http://hennigworldwide.com)

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