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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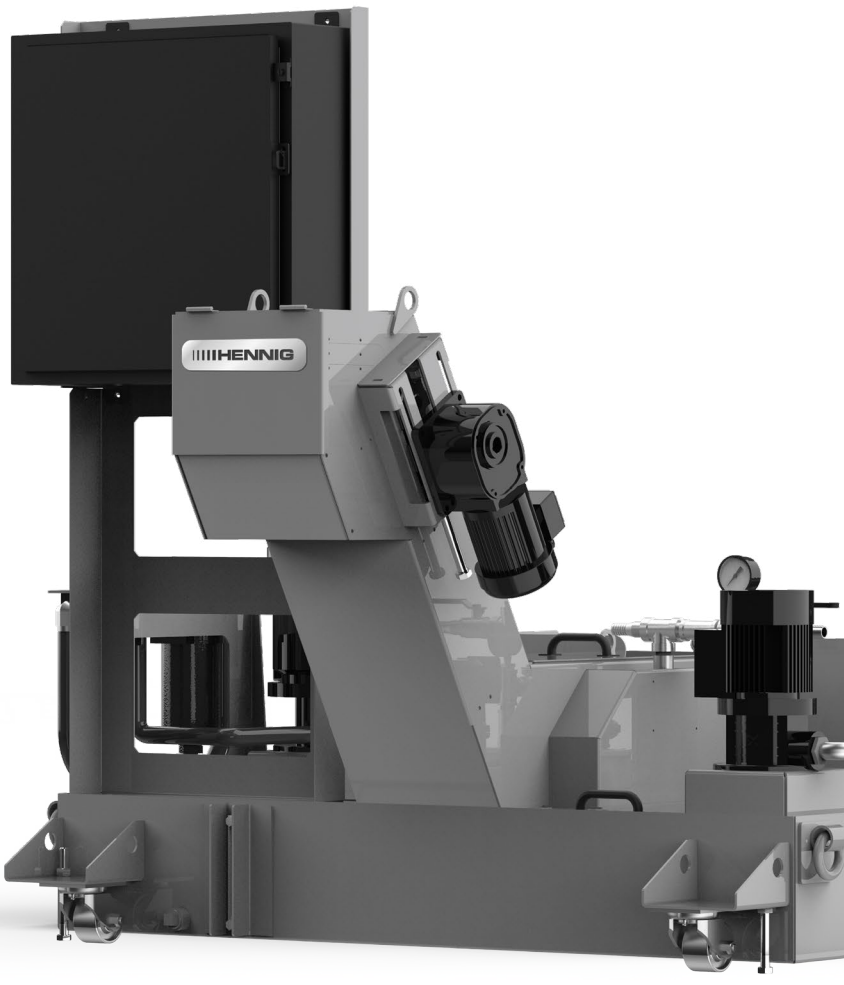


PROTECT YOUR SUCCESS

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.

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

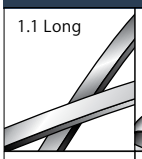
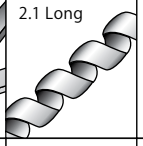
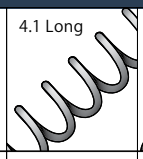
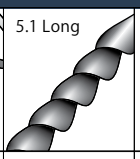
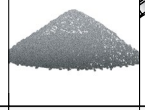
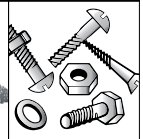
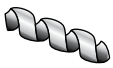
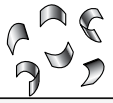
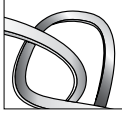
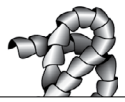
PAINT
Textured grey, black (standard)
Custom colors as required

INCLINE ANGLE
60° / 45° (standard)
Custom angles as required

LOW PROFILE DESIGN

CONVEYOR SELECTION GUIDE

CHIP FORM SPECIFICATIONS (*ACCORDING TO ISO 3685)

1 *Ribbon	2 *Tubular	3 *Spiral	4 *Washer-type 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 						

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 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: 1.5" (38.1 mm), 2.5" (63.0 mm)

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 18-19)

SCRAPER BELT (DRAG, FLIGHT)

An ideal solution for fine chips and swarf, the scraper belt moves in reverse direction from the standard hinged belt, 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 18-19)

CHIP CONVEYORS

MAGNETIC

Intended for ferrous material applications with chips (40 micron and above), small parts, or scraps. Our closed oil system lubricates all internal parts automatically, resulting in minimal maintenance, no oil refills, no manually lubricating bearings or bushings. All magnetic conveyors can be custom designed to suit your application, with widths from 102 mm to 1066 mm available and systems that can handle a range of 0 lbs to 12,000 lbs per hour.

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:
Rare earth magnets up to 176ºF
Ceramic magnets up to 450ºF
(magnet strength declines above these temps)

Conveyor Speed Options:
25, 30, 45, 60 ft/min.

OPTIONS

Coolant Tanks

Coolant Filtration

Part De-magnetizer

Dimpled Slider Bed:
Prevent hydro-locking

Manganese Slider Bed:
For heavy-duty applications

Custom Discharge Chutes:
Manual adjust, tipple, various angles

Standard Incline Angles (º):
30, 45, 60, 75, 90

Covered Chip Chutes

Motor Voltage:
110, 230, 460, 575

Casters

APPLICATIONS

Wet or dry applications

Fines, small or broken chips, scarf:
For particles 40 microns or larger

Parts and large stampings
Up to 8" (203 mm) long
- Larger requires samples and testing
- Typically limited by width of conveyor

Central conveyor system
When all material is ferrous

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

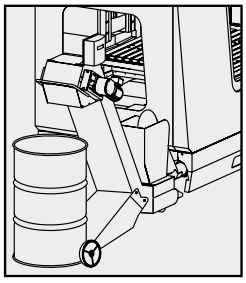
MOBILE (AUGER-ASSISTING, PORTABLE)

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.

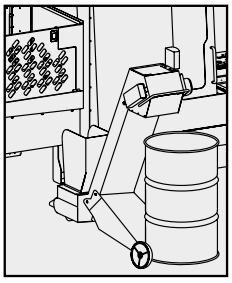
OPTIONS

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.

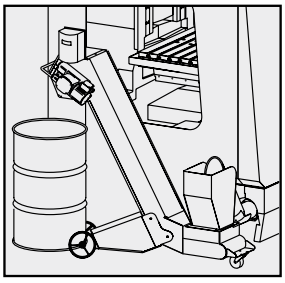
ADJUSTABLE CHIP CHUTE ORIENTATION



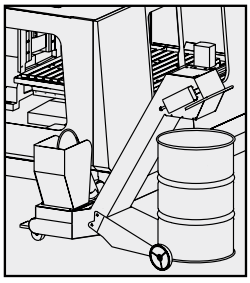
A: Toward tail section



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

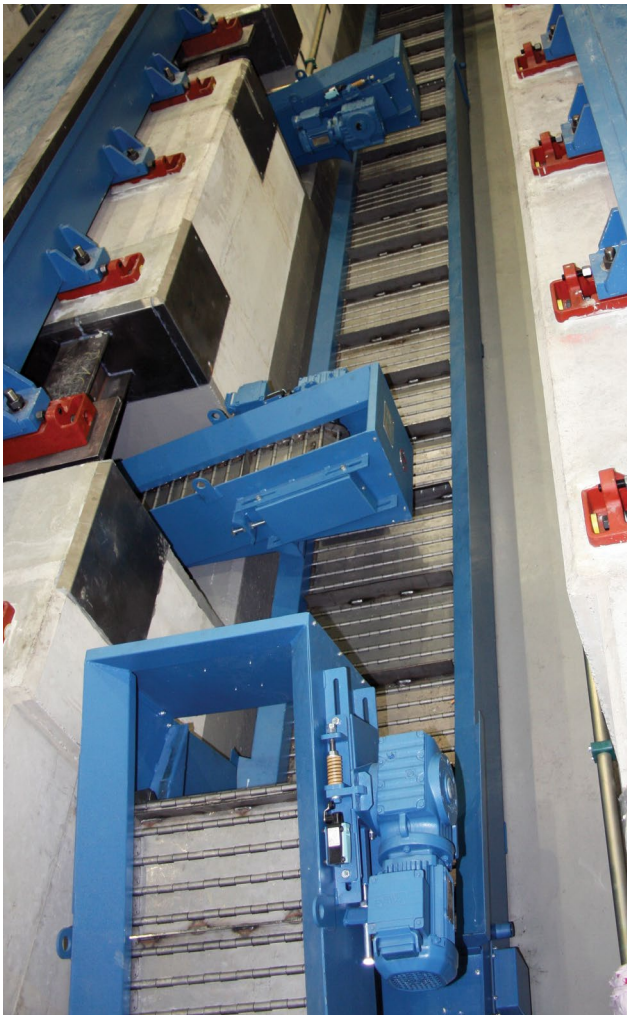
Swarf Centrifuge

Swiveling Chutes: Manual or automated

Wearing Plate: With hardened bottom frame

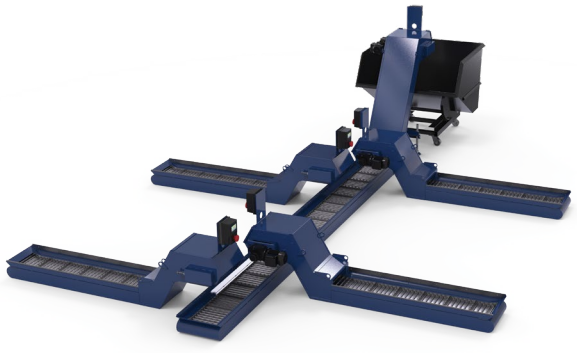
Chip Compactor

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.



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.

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—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.

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

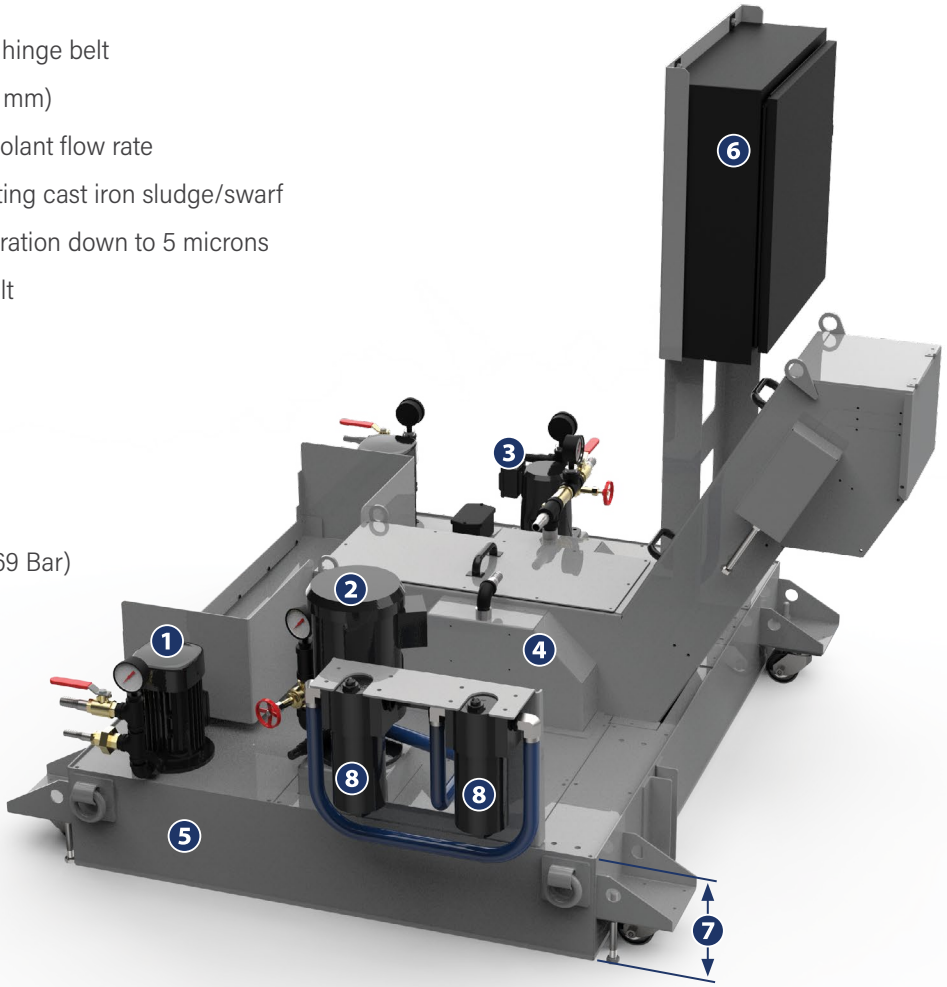
Cartridge, Cyclonic, or Bag Filters: For filtration down to 5 microns

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



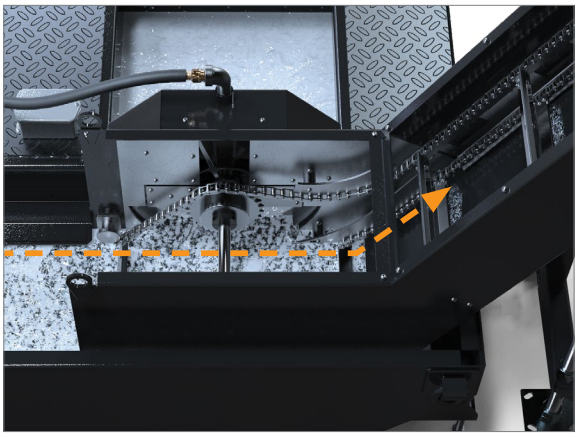
CHIP-DISC FILTRATION (CDF)

HOW IT WORKS

❶ COARSE CHIP REMOVAL

With hinge or scraper belt
The belt (hinge or scraper) collects larger chips and particles for discharge into the chip hopper.

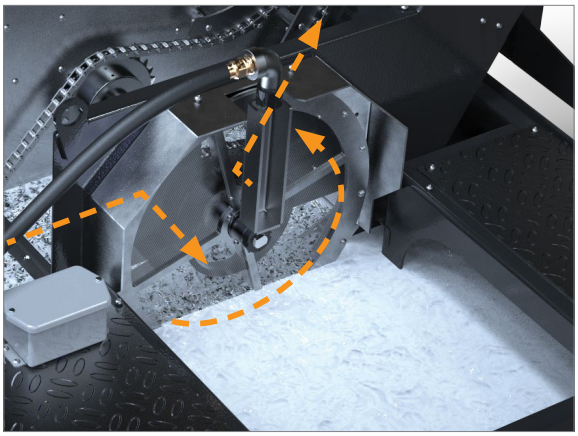
Removing coarse chips before they reach disc filter keeps them from bundling and jamming the system, which fosters extremely efficient fine particle filtration.



❷ 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.

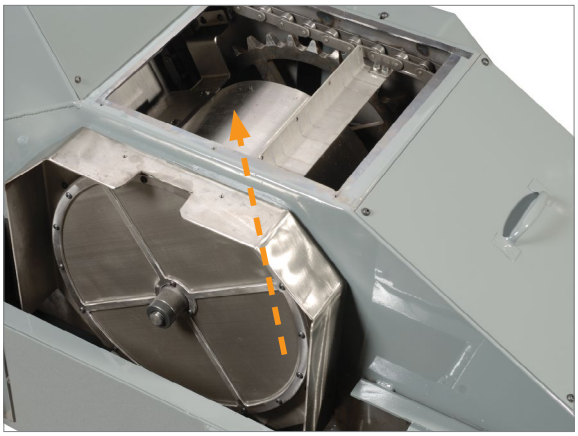
Removing particles
The collected particles rotate with the disc filter and are lifted out of the coolant, towards the backwash spray. There, the particles are blasted onto the belt with a backwash spray and removed along with the coarse chips.



❸ 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

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.

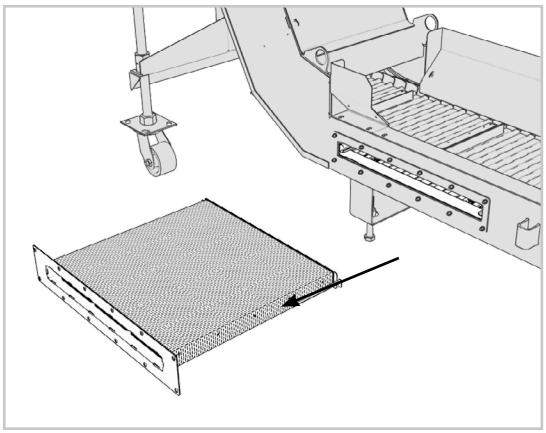
Stainless Steel Brushes: For cleaning the filter box

Works With: Hinge or scraper belts

OPTIONS

Filtration: 250 or 500 Microns

Air Knife



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

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 m-codes. 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.

L	W	H
25.5" (647.7 mm)	26.5" (673.1 mm)	37.5" (952.5 mm)

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 (30 l/min)
- 208/230 VAC (480 VAC optional)
- Single Plug Electrical Interface
- 25 Gallon Reservoir (94.5 liters)
- IOT Connectivity
- User Interface
- Caster Wheels
- 2 Year Warranty
- System Status Light

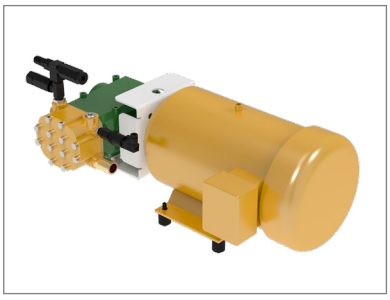
Easy access filter
5-micron bag filter

25 gallon reservoir (94.5 liters)
With built-in, 5-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

ECOFLOW: HIGH PRESSURE COOLANT SYSTEMS

Reduce your cycle time today!

The Hennig EcoFlow is a medium-pressure, fixed flow coolant system designed to be a cost-effective solution to increase your machine's productivity without breaking the bank. The system is very compact and simple to install, making it an ideal choice for many different milling and turning applications. The simplistic design allows for a favorable price point while allowing for simple operation and maintenance. The EcoFlow system uses an existing transfer pump on the existing coolant tank (Hennig can supply transfer pump if required).

FEATURES

- Up to 500 psi (34 bar)
- 8 GPM (30 l/min)
- Fluid type: Water soluble coolant
- Fixed flow, manually adjustable pressure
- 5-micron bag filtration (10-micron optional)
- Optional transfer pump can be added to existing coolant tank
- 208/230 VAC (480 VAC optional)
- 20" x 17.5" x 29"
- Caster wheels
- 1-year warranty

TECHNICAL SPECIFICATIONS

- 220 VAC, Three Phase
- 5 hp Motor
- Roller-style pump

ULTRAFLOW: HIGH PRESSURE COOLANT SYSTEMS

The ultimate high-pressure coolant pump for demanding applications.

The Hennig UltraFlow High-Pressure Coolant System is the ultimate high pressure coolant pump for more demanding applications. These include multi-spindle machines, multi-turret lathes or other large machining applications where more flow is needed. The system features multiple options for the pump configuration and has dual 5-micron filtration which allows the user to change one bag while the system is still in operation. The 70 gallon reservoir (265 liters) provides plenty of extra coolant capacity while still maintaining a small footprint. Utilizing our Adaptive Flow Control, the coolant flow is dynamically adjusted to output the desired pressure, which can be set from the UltraFlow HMI or from the CNC's Macro Variables via Ethernet.

FEATURES

- Up to 1,000 psi (69 bar)
- 16 GPM (60.5 l/min)
- Fluid Type: Water-based
- Variable flow, electronically adjustable pressure
- Touchscreen smart control
- 70 gallon reservoir (265 liters)
- Dual 5-micron filtration (10-micron optional)
- Multiple pump options
  - **16 x 1:** Single 16 GPM (60.5 l/min) piston pump 2 port standard
  - **8 x 1:** Single 8 GPM (30 l/min) piston pump Single port standard, 2 port optional
  - **8 x 2:** Dual 8 GPM (30 l/min) piston pumps Independently controlled, separate ports
- 208/230 VAC (480 VAC optional)
- Caster wheels
- 2-year warranty

CYCLOFLOW: HIGH PRESSURE COOLANT SYSTEMS

The perfect system for removing a variety of fines from cutting fluids.

The CycloFlow is a robust, general purpose filtration system for machine tool coolants and other fluids. The key feature of this system is its cyclonic filtration unit which uses no moving parts, no filter media and is up to 98% efficient at 10-micron. This system is perfect for removing a variety of fines from cutting fluids while also extending the life of your EDM filter cartridges. There is an on-board pump that draws from the coolant tank, pumps through the cyclonic filter unit, and then through the large industrial grade bag filter. The system can be configured to be permanently installed on one machine, or it can be ordered with the 115v power option to make it a mobile unit. The compact size and heavy duty filtration performance make this a great unit for many different applications.

FEATURES

- 18 GPM (68 l/min)
- Cyclonic filtration
- Size #2 bag filter housing
- Transfer pump built in
- Caster wheels
- 208/230 VAC (480 VAC optional)
- 115 VAC optional
- 2-year warranty

SPRAY WAND

Wash down system for machine tools with cutting fluid.

Keep your machine clean with the Hennig Spray Wand washdown system. This simple, easy to install wash down system includes everything you need to install on virtually any machine. A simple on/off control easily attaches magnetically and shows clear visual indicators for the system's status: "On" when it's running and "Alarm" if there's an overload. The spray pattern is adjustable from a fine mist to a high-powered stream to allow for total cleaning of your machine's enclosure.

FEATURES

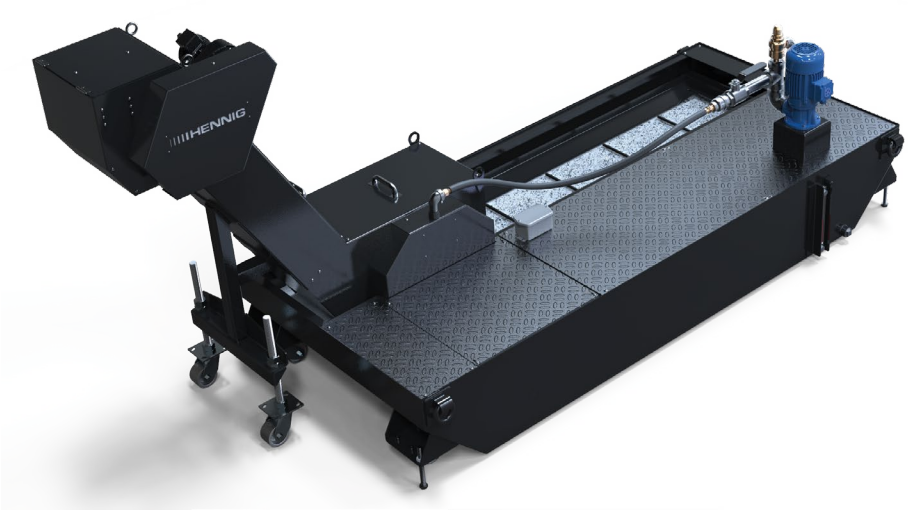
- Complete kit, works on almost any machine
- Magnetic on/off control and hose mount
- Status indicator (on, alarm)
- 24 vdc control circuit
- 208/230 VAC, 3-Phase (480 VAC optional)
- Adjustable spray pattern
- Up to 18 gpm (68 l/min)

COOLANT 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.



CDF conveyor with auxilliary coolant tank

OPTIONS

Auxiliary or Integrated Tanks

Removable Cover Plates

Liquid Level Gages

Baffles, Chip Baskets, Screens

Filters (Cartridge, Bag, Cyclonic)

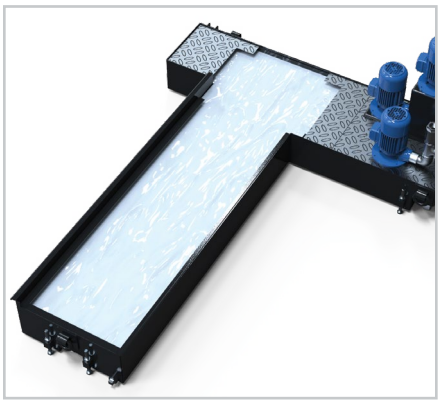
Float Switches

Oil Skimmers

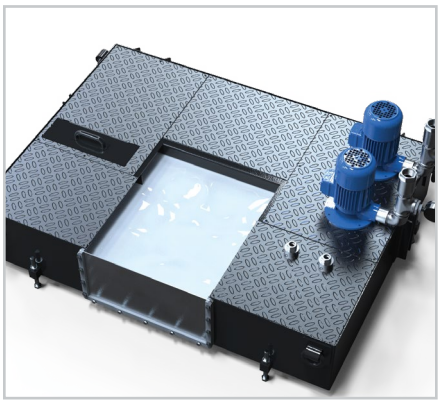
Coolant Pumps

Custom g/min or PSI Requirements

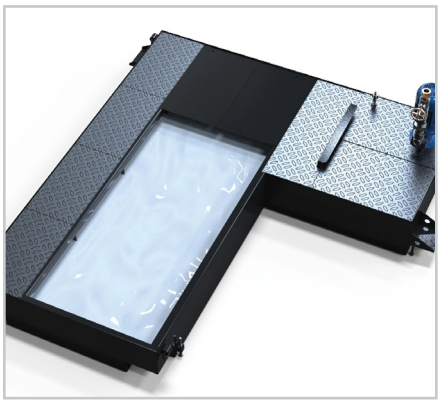
Integrated Controls:
For pump/filter automation



T-shaped auxiliary coolant tank



Square-shaped integral 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.

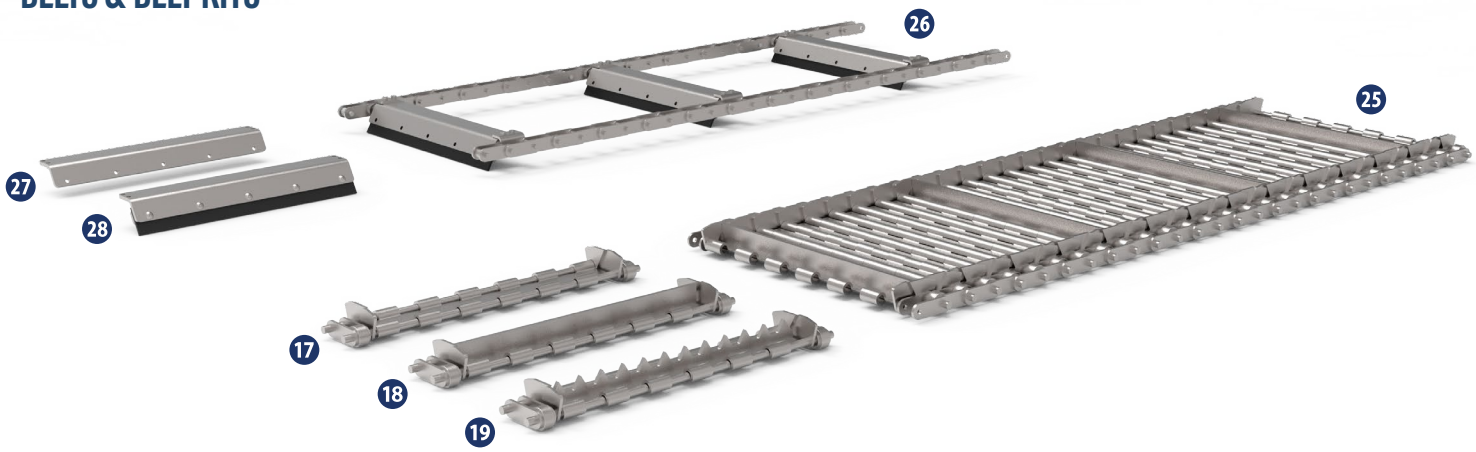
The tag is typically found on either side of the discharge head.

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 Leg 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.

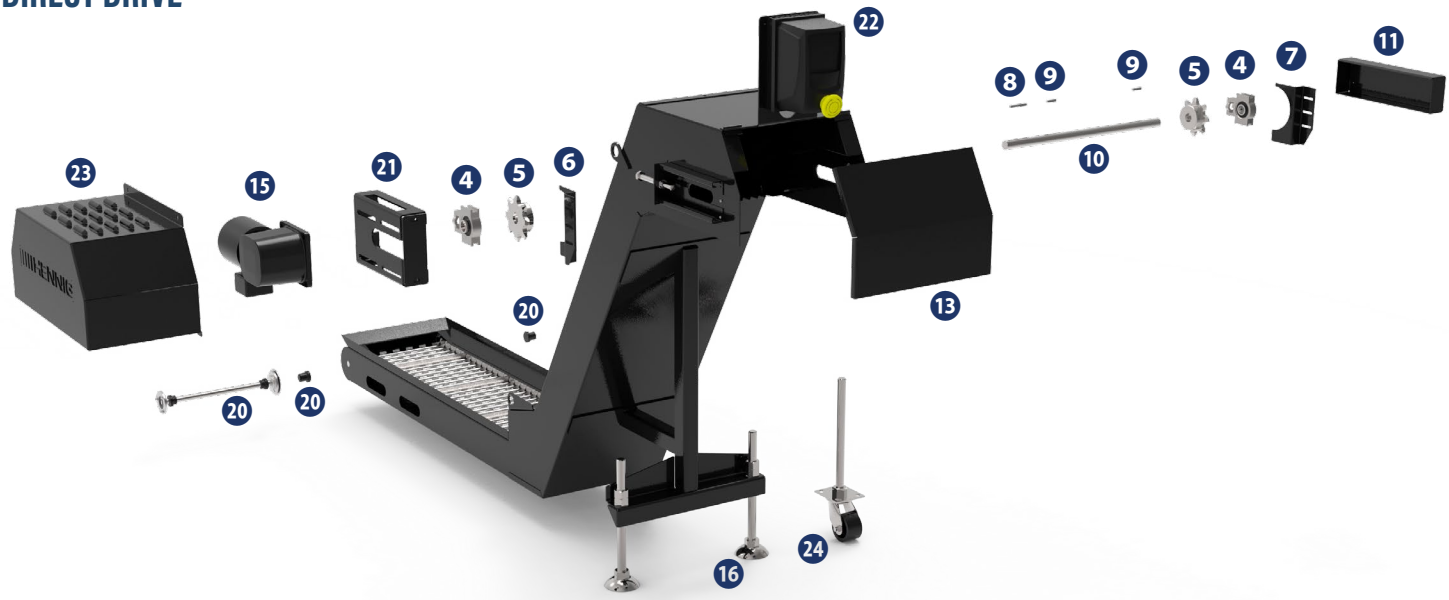
BELTS & BELT KITS



SPARE PARTS

OVERHEAD CHAIN DRIVE

DIRECT DRIVE



QUOTE REQUEST (HINGE, SCRAPER, MAGNETIC)

Please complete this form and email to info@hennig-inc.com.

COMPANY

Company Name _____ **Name** _____
Company Address _____ **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^3/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

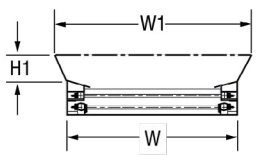
CONVEYOR TECHNICAL DATA

UOM ○ inch ○ mm

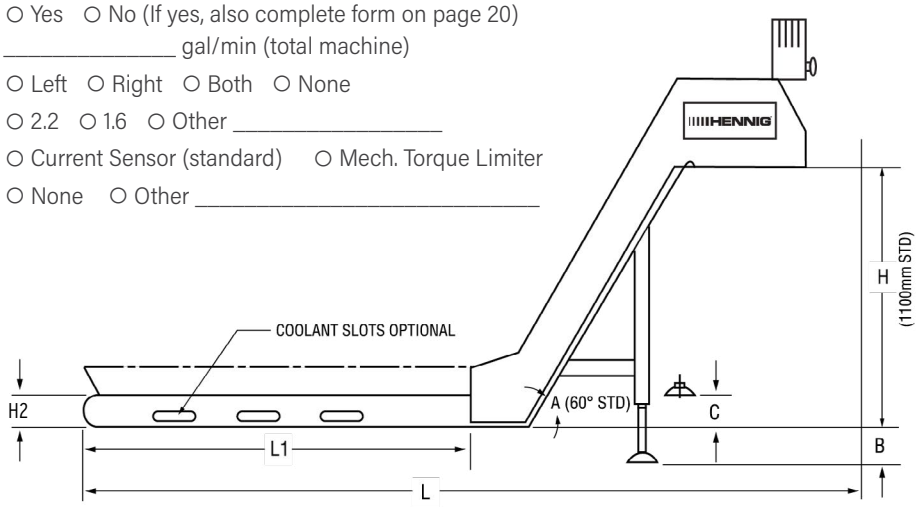
L1	Intake Length	_____
L	Max Length	_____
H	Discharge Height	_____
W	Max Width	_____
A	Angle (45°, 60°)	_____
W1	Width of Chip Chute	_____
H1	Height of Chip Chute	_____
H2	(1.5" pitch belt)	120 mm
H2	(2.5" pitch belt)	200 mm
B	Belt Width	_____

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 _____

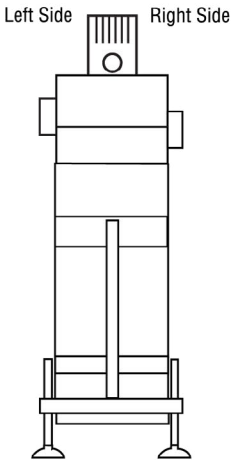
Installed Location ○ On Floor ○ Inside Machine ○ Inside Pit ○ Inside Tank
Motor Location ○ Left ○ Right
Power Requirements V _____ Ph _____ hz _____
Control Box ○ Yes ○ No (if yes, select type below)
○ *Variable Speed (standard)* ○ *3 Button Box (fwd, rev, e-stop)*
○ *Auto/Mechanical Selector Switch*
○ *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 _____



INLET CROSS SECTION



LEFT SIDE PROFILE VIEW



FRONT VIEW

QUOTE REQUEST (CDF)

Please complete this form and email to 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^3/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

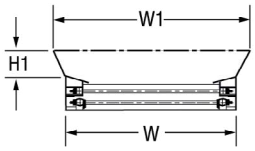
CONVEYOR TECHNICAL DATA

UOM ○ inch ○ mm

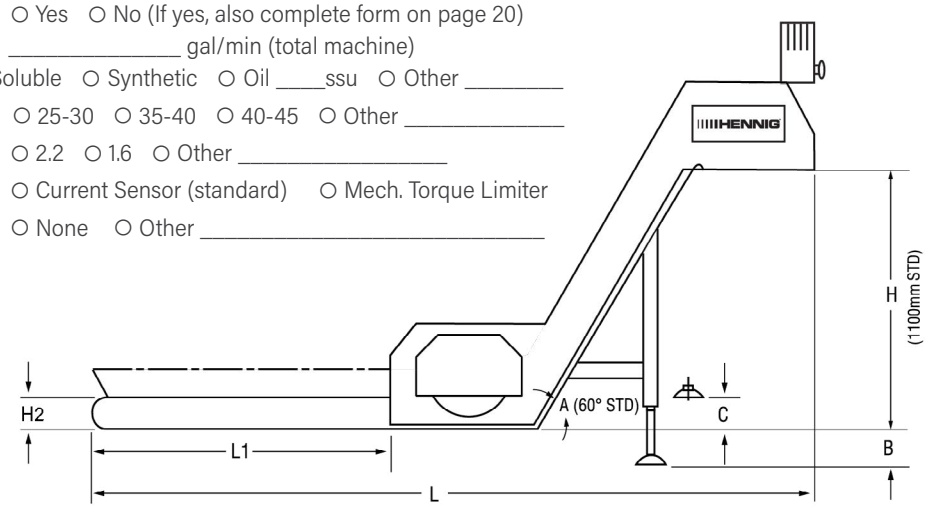
L1	Intake Length	_____
L	Max Length	_____
H	Discharge Height	_____
W	Max Width	_____
A	Angle (45°, 60°)	_____
W1	Width of Chip Chute	_____
H1	Height of Chip Chute	_____
H2	(1.5" pitch belt)	120 mm
H2	(2.5" pitch belt)	200 mm
B	Belt Width	_____

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 _____

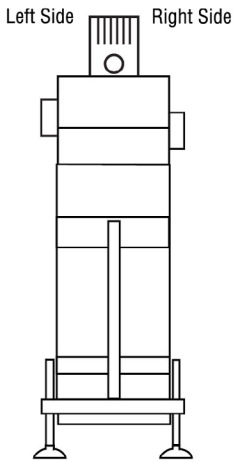
Installed Location ○ On Floor ○ Inside Machine ○ Inside Pit ○ Inside Tank
Motor Location ○ Left ○ Right
Power Requirements V _____ Ph _____ hz _____
Control Box ○ Yes ○ No (if yes, select type below)
○ *Variable Speed (standard)* ○ *3 Button Box (fwd, rev, e-stop)*
○ *Auto/Mechanical Selector Switch*
○ *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.

COMPANY

Company Name _____
Company Address _____
_____
_____

Name _____
Title _____
E-mail _____
Phone _____ **Fax** _____

MACHINE INFORMATION

Make _____ **Model** _____

Type ○ Lathe ○ Milling ○ Drilling ○ Tapping ○ Other _____ **Chip Volume** _____ in^3/min

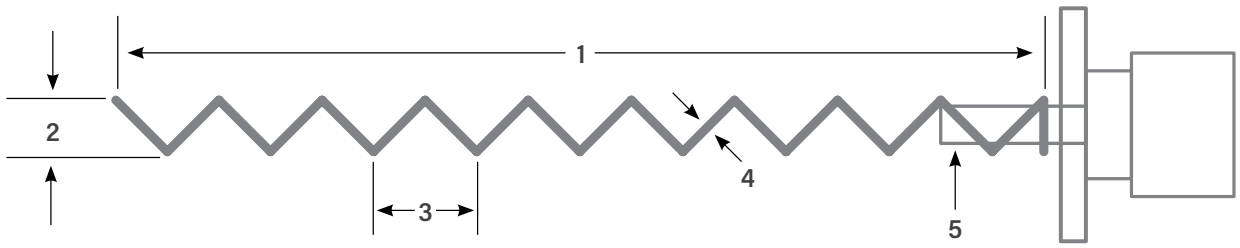
AUGER DETAILS

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.

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) _____

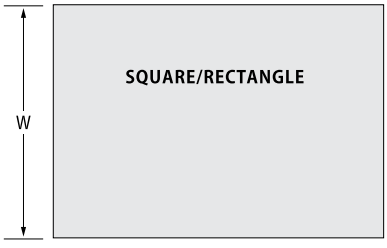
Float Switch ○ High Level ○ Low Level
○ High & Low Level ○ None

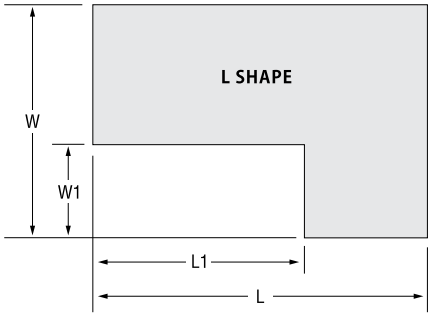
Oil Skimmer ○ Yes ○ No

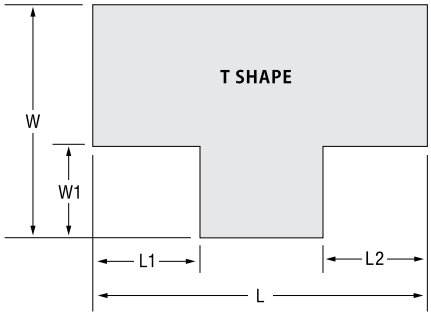
Coolant Capacity (gallons) _____

Coolant Flow Rate (gal/min total machine) _____

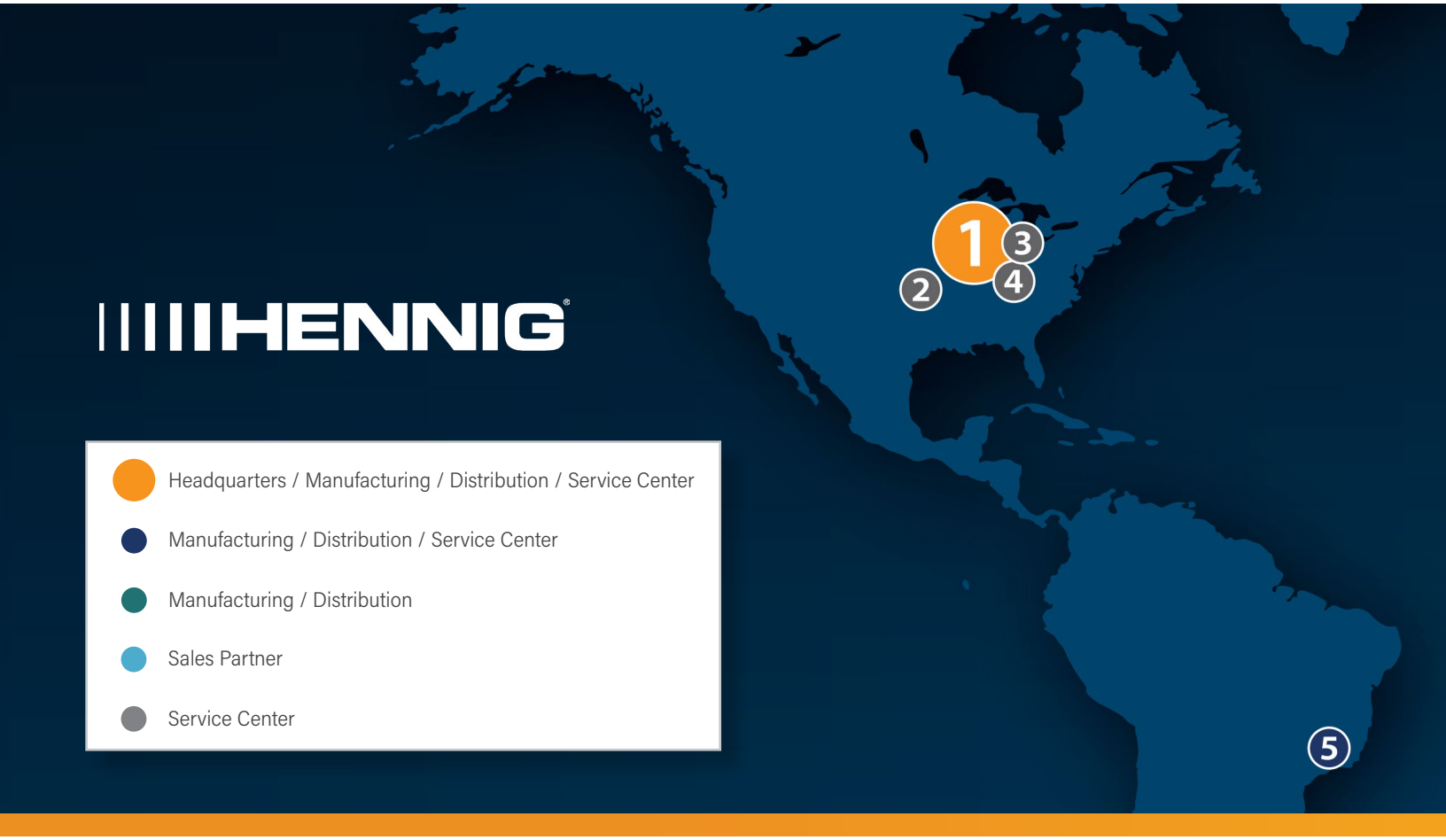
Additional Options/Information _____
_____
_____
_____
_____
_____
_____







FACILITIES & CONTACTS



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kashida@enomotoweb.com

NOTES

NOTES

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

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hennigworldwide.com

CF0225