MAKING OUR CUSTOMERS SUCCESSFUL

Our chip conveyors and disc filtration systems set the standard for removing chips and debris from machine coolant, improving the life of precision machines 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.

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See pages 23-24 for a complete list of our worldwide locations / contact info
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CHIP CONVEYORS & CHIP FORM SPECIFICATIONS

CONVEYOR TYPES

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FEATURES

OVERLOAD/JAM PROTECTION
VARIABLE SPEED DRIVE 0.8 m/min - 3.3 m/min
PAINT textured blue, white, grey, black (standard) custom colors as required
INCLINE ANGLE 60° / 45° (standard), custom angles as required
LOW PROFILE DESIGN

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
CHIP FORM SPECIFICATIONS (*ACCORDING TO ISO 3685)

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<td>Small Parts / Scrap</td>
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<td>Mobile</td>
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</table>

**Notes:**
- **good**
- **can be used in certain applications**
- **not recommended**
- *can only be used with ferrous material*
CONVEYORS TYPES

HINGE (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 * (MM)  1.5 (38.1),  2.5 (63.0),  4.0 (101.6),  6.0 (152.4)
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 / replacement parts (see pages 11-12)

SCRAPER (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
with hardened rails and curves / bottom frame
SCRAPER KIT  service / replacement parts (see pages 11-12)
MAGNETIC

The magnetic conveyor plays a very specific role in chip management - it’s intended for ferrous material applications which produce small chips and fines.

options

COOLANT TANKS

HIGH TEMPERATURE RESISTANCE

CHIP DISC FILTRATION (CDF)

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.

options

SOLID ROTATING MAGNETIC DRUM
for collecting cast iron sludge/swarf

BELT TYPE  hinge or scraper belt

FILTER DISC DIAMETER  10", 12", 16"

SINGLE OR MULTIPLE DISCS
depending on coolant flow rate

See page 13-14 for more information.

For additional filtration options, see page 15-16.
CONVEYOR TYPES

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
PUSH-PULL BAR (ram, bar)

Used to transport all types of swarf in big quantities, the push-bar system can be installed under or above the floor to suit your application.

options

- PREFILTRATION GRID for coolant discharge
- WEARING PLATE with hardened bottom frame

BELT TYPE

The universal transport solution for applications without any liquids. The belt conveyor allows the transport of parts and scraps in metal, plastic, and cardboard up to 15 kg / linear meter. It is suitable to solve extraction problems (pressure forming parts, punching scraps and trimmings) or level change. The conveyor transport belt is oil and grease resistant.

options

- PVC OR PUR BELT up to 80°c
- CUSTOM BELT FOR HIGH TEMPERATURES over 80°c
- WITH OR WITHOUT CLEATS
- OIL / GREASE RESISTANT BELTS
- INTEGRATED DRIVE MECHANISM
- WIPERS
CUSTOM CONVEYORS & NETWORKS

CUSTOM & TURNKEY SYSTEMS
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 (pictured below), or part and scrap removal (pictured right).

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
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.

RIGHT
An integrated conveyor network. Smaller conveyors from the machining centers discharge onto the main exit conveyor for efficient chip removal from multiple machines.

BOTTOM LEFT
Adjustable chip chutes can be positioned at multiple discharge angles.

BOTTOM RIGHT
Conveyors move chips from multiple machining centers onto one integrated conveyor for easy and efficient chip removal.
When your conveyor needs service or repair, we have parts in stock to get your conveyor up and running, and also 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.

### CONVEYOR PARTS

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<td>2</td>
<td>Torque Limiter Assembly</td>
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<td>3</td>
<td>Inside Chain Guard</td>
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<td>4</td>
<td>Take-Up Bearing</td>
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<td>5</td>
<td>Belt Sprocket</td>
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<td>6</td>
<td>LH Inner Guard</td>
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<td>RH Inner Guard</td>
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<td>10</td>
<td>Drive Shaft</td>
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<td>11</td>
<td>Bearing Cover</td>
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### BELTS / BELT KITS

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<td>Scraper Blade Kit</td>
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<td>28</td>
<td>Poly Scraper Blade Kit</td>
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To order spare parts, simply provide us with the Hennig No., Serial No., and Customer No. found on your conveyor tag (typically found on either side of the discharge head), and the parts you need to replace from the list above.

Look for this tag on your conveyor system for the reference numbers.
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 most simple approach to coolant filtration in the market today. The Hennig CDF system is simple by design, and can be used with a scraper type belt or a hinge belt.

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 & 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.

options
BELT TYPE can be used with scraper belt or hinge belt
FILTER DISC DIAMETER 10” (254mm), 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 OR CYCLONIC 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 see page 15-16 for filtration options
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
ADDITIONAL FILTRATION OPTIONS

custom coolant filtration systems

Our custom filtration systems generally include replaceable cartridge or bag filter elements and a replaceable filter. Continuous optimum performance is assured by configuring each filtration system according to the precise requirements of each application.

CARTRIDGE FILTERS

An innovative alternative to conventional high pressure and reverse flow filters. Cartridge filters remove ingressed contamination before it flows downstream to sensitive components. They block pump-generated debris before it gets to servo or proportional valves. There is no better high pressure filter available today for durability and performance.

BAG FILTERS

Unfiltered liquid enters the housing above the bag and passes down through them. Solids are contained inside the bag, where they’re easily and completely removed when the unit is serviced. Fluid bypass is prevented because the outside diameter of the filter bag seals radially against the housing inside diameter. A single cover gasket is used to seal the opening, and covers can be installed and removed without tools.
Paper filtration systems are designed to cleanse different types of liquids (water, emulsions, aqueous solutions) of polluting solid particles. These filters are also used in markets other than those of machine tools (chemistry, food, painting, petrochemistry, glass, industrial washing machines).

Several models of filtration are possible with outputs from 30 to 400 L/mn for soluble oil and respectively from 15 to 200 L/mn for oil.

Cyclonic Filters

No waste. No filtration media. No maintenance.

A waste free coolant filtration system which achieves filtration through centrifugal force, eliminating the need for disposable paper or cartridge filters.

- Can remove 90% of 10 μm sludge for water based coolant.
- No bubbles or foam is produced.
- Contaminants are concentrated in the sludge pot, and once removed they cannot return to the coolant tank.
CUSTOM ENGINEERED.
MADE TO ORDER.

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
CARTRIDGE AND/OR CYCLONIC FILTERS
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 auxiliary coolant tank

L-shaped auxiliary coolant tank
QUOTE REQUEST HINGE / SCRAPER / MAGNETIC CONVEYORS

Please complete this form and email or fax to your desired location. See pages 23-24 for contact info.

www.hennigworldwide.com

COMPANY (complete address)
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
Name ____________________________ Title ____________________________ E-mail ____________________________
Phone ____________________ Fax __________________ Date / /

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 ____________________________ Available References [ ] Photos [ ] Drawings
Type ○ Lathe ○ Milling ○ Drilling ○ Tapping ○ Other ____________________________ Chip Volume ____________ in³/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

CONVEYOR TECHNICAL DATA
Intake Length L1 ____________ mm Installed Location ○ On Floor ○ Inside Machine ○ Inside Pit ○ Inside Tank
Max Length L ____________ mm Motor Location ○ Left ○ Right
Discharge Height H ____________ mm Power Requirements V ________ Ph ________ Hz ________
Max Width W ____________ mm Control Box ○ Yes ○ No
Angle (45°, 60°) A ____________ deg. ○ Variable Speed (standard) ○ 3 button box (fwd, rev, e-stop) ○ Auto/Manual Selector Switch
Width of Chip Chute W1 ____________ mm ○ Electrical Plug (if yes, please specify) ____________________________
Height of Chip Chute H1 ____________ mm Control Box Location ○ Top Front ○ Top Left ○ Top Right
Inlet Height (minimum) H2 120 mm ○ Left Side ○ Right Side ○ Stand Alone
H2 (1.5” pitch belt) 200 mm Paint (texture powder coated) ○ RAL # ________ ○ Other ____________________________
Belt Width B ____________ mm
Foot Location (choose one) ○ B ○ C ________ mm
Casters ○ Yes ○ No
Coolant Tank Required ○ Yes ○ No (if yes, use data sheet on page 22)
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 ____________________________
QUOTE REQUEST

CHIP DISC FILTRATION

Please complete this form and email or fax to your desired location. See pages 23-24 for contact info.

www.hennigworldwide.com

COMPANY (complete address)

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
Name

Title

E-mail

Phone________________Fax________________Date_____/_____/_____

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 __________________________ Available References ☐ Photos ☐ Drawings

Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other ____________

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

CONVEYOR TECHNICAL DATA

Intake Length L1 _____________ mm Installed Location ☐ On Floor ☐ Inside Machine ☐ Inside Pit ☐ Inside Tank

Max Length L _____________ mm Motor Location ☐ Left ☐ Right

Discharge Height H _____________ mm Power Requirements V________ Ph________ Hz________

Max Width W _____________ mm Control Box ☐ Yes ☐ No

Angle (45°, 60°) A _____________ deg. ☐ Variable Speed (standard) ☐ 3 button box (fwd, rev, e-stop) ☐ Auto/Manual Selector Switch

Width of Chip Chute W1 _____________ mm ○ Electrical Plug (if yes, please specify) ____________

Height of Chip Chute H1 _____________ mm

Inlet Height (minimum) H2 (1.5” pitch belt) 120 mm Control Box Location ☐ Top Front ☐ Top Left ☐ Top Right

H2 (2.5” pitch belt) 200 mm ☐ Left Side ☐ Right Side ☐ Stand Alone

Belt Width B _____________ mm Paint (texture powder coated) ☐ RAL # _____________ ☐ Other ____________

Foot Location (choose one) ☐ O B ☐ C _____________ mm

Casters ☐ Yes ☐ No

Coolant Tank Required ☐ Yes ☐ No (if yes, use data sheet on page 22)

Coolant Flow Rate _____________ gal/min (total machine)

Coolant Type ☐ Water Soluble ☐ Synthetic ☐ Oil ______ ssu ☐ Other ____________

Filtration Level ☐ 25-30 micron ☐ 35-40 micron ☐ 40-45 micron ☐ Other ____________

Conveyor Speed (m/min) ☐ 2.2 ☐ 1.6 ☐ Other ____________

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

H2
QUOTE REQUEST  AGER CONVEYORS

Please complete this form and email or fax to your desired location. See pages 23-24 for contact info.

www.hennigworldwide.com

COMPANY (complete address)

_________________________________________________________

_________________________________________________________

_________________________________________________________

_________________________________________________________

Name

Title

E-mail

Phone Fax Date / / 

MACHINE INFORMATION

Make

Model

Available References Photos Drawings

Type Lathe Milling Drilling Tapping Other

Chip Volume in³/min

AUGER DETAILS

End-to-End Length 1 mm

Spiral Outside Diameter 2 mm

Pitch 3 mm

Spiral Metal Thickness 4 mm

Drive Shaft Diameter 5 mm

Additional Information

________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

MOUNTING TYPE

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

B (Spiral 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)
## COMPANY (complete address)

Name  
Title  
E-mail  
Phone  Fax  Date  / / 

## MACHINE INFORMATION

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Available References</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>□ Photos □ Drawings</td>
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</table>

### Make  Model

<table>
<thead>
<tr>
<th>Type</th>
<th>Lathe □ Milling □ Drilling □ Tapping □ Other □</th>
</tr>
</thead>
</table>

### COOLANT TANK TECHNICAL DATA

#### Tank Shape

- □ Square/Rectangular □ L Shape □ T Shape
- □ Other ________________

#### Tank Size

<table>
<thead>
<tr>
<th>L</th>
<th>mm</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>L1</th>
<th>mm</th>
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<tbody>
<tr>
<td>W1</td>
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</table>

<table>
<thead>
<tr>
<th>L2</th>
<th>mm</th>
<th>H</th>
<th>mm</th>
</tr>
</thead>
</table>

#### Tank Mounting

- □ On Floor □ In Pit □ Other ________________

#### Tank Options

- □ Casters □ Leveling Bolts □ Inspection Cover
- □ Removable Screen(s) □ Other ________________

#### Paint

(texture powder coated) ________________

#### 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

#### Additional Options

- Additional Information ________________

#### Float Switch

- □ High Level □ Low Level □ None

#### Oil Skimmer

- □ Yes □ No

#### Coolant Capacity

(_______ gallons)

#### Coolant Flow Rate

(_______ gal/min (total machine))

#### Filter

- □ Single Canister Bag □ Dual Canister Bag □ Cyclonic

Required Filtration Level ____________ microns

---

### Diagrams

- **SQUARE/RECTANGLE**
- **L SHAPE**
- **T SHAPE**

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MAKING OUR CUSTOMERS SUCCESSFUL

For over 65 years, Hennig Worldwide has been defining Excellence in Machine Protection, creating regional jobs, serving their local communities, and supporting the global needs of machine tool customers.

Specializing in chip management, machine protection, facility safety, and generator enclosures, Hennig products optimize production and keep your facility clean and safe.

MACHINE PROTECTION
- Telescopic Steel Covers
- Modular Face Shields (XYZ Shields)
- Bellows
- Aprons & Roll Up Covers
- Walk-On Covers
- Wiper Systems
- Telescopic Springs
- Cable Conduits

CHIP SOLUTIONS
- Chip Conveyors
- Turnkey Chip Management
- Conveyor Networks
- Chip Disc Filtration (CDF)
- Coolant Filtration
- Coolant Tanks

ENCLOSURES & FACILITY SAFETY
- GENSET Enclosures
- Machine Enclosures
- Platforms and Stairs
- Guarding and Fencing
- 3D Printer Enclosures
- Additive Manufacturing Enclosures
- Walk-On Pit Covers
- Scissor Lift Bellows
- Machine Roof Bellow Covers
- Special Fabrications

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