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.

CONTACT US

WORLD HEADQUARTERS
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+1 815-636-9737 (fax)
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Überrheinerstr. 5
85551 Kirchheim, Germany
+49 89 96096-0
+49 89 96096-120 (fax)
info@hennig-gmbh.de

See pages 23-24 for a complete list of our worldwide locations / contact info
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3-4 CONVEYOR OVERVIEW / SELECTION GUIDE
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15-16 ADDITIONAL FILTRATION TYPES
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19-22 REQUEST FOR QUOTE SHEETS
23-24 WORLDWIDE FACILITIES / CONTACT INFO
### 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
- **Wearing Resistant Bottom Frame**
- **On-Site Installation**
- **Casters**
# CHIP FORM SPECIFICATIONS (* ACCORDING TO ISO 3685)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1.1 Long</td>
<td>2.1 Long</td>
<td>3.1 Flat</td>
<td>4.1 Long</td>
<td>5.1 Long</td>
<td>6.1 Connected</td>
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</tr>
<tr>
<td>1.2 Short</td>
<td>2.2 Short</td>
<td>3.2 Conical</td>
<td>4.2 Short</td>
<td>5.2 Short</td>
<td>6.2 Loose</td>
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<tr>
<td>1.3 Snarled</td>
<td>2.3 Snarled</td>
<td>4.3 Snarled</td>
<td>5.3 Snarled</td>
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## CONVEYOR SELECTION GUIDE BY CHIP FORM

<table>
<thead>
<tr>
<th>CHIP TYPE</th>
<th>HINGE</th>
<th>SCRAPER</th>
<th>MAGNETIC*</th>
<th>CDF</th>
<th>AUGER</th>
<th>MOBILE</th>
<th>PUSH-PULL BAR</th>
<th>BELT-TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Ribbon (long)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>Mobile</td>
<td></td>
<td></td>
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<tr>
<td>1.2 Ribbon (short)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>different belts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.3 Ribbon (snarled)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>depending</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.1 Tubular (long)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>on your application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.2 Tubular (short)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>2.3 Tubular (snarled)</td>
<td>●</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>3.1 Spiral (flat)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>3.2 Spiral (conical)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
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<tr>
<td>4.1 Washer Type Helical (long)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>To find out if a mobile conveyor is right for your application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2 Washer Type Helical (short)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
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</tr>
<tr>
<td>4.3 Washer Type Helical (snarled)</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>5.1 Conical Helical (long)</td>
<td>●</td>
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<tr>
<td>5.2 Conical Helical (short)</td>
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<tr>
<td>5.3 Conical Helical (snarled)</td>
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<tr>
<td>6.1 Arc (connected)</td>
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<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td></td>
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</tr>
<tr>
<td>6.2 Arc (loose)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td></td>
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<tr>
<td>7 Elemental</td>
<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>8 Needle</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>9 Fines</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Swarf / Sludge</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Small Parts / Scrap</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ●: good
- ○: can be used in certain applications
- □: not recommended
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
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
SOLID DRUM MAGNET to clean fine particles from the coolant

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 SIZE 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.
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 with or without shaft
- 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.

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. This system is ideal for shops with multiple conveyors (conveyor networks), where each conveyor can discharge into the push-pull bar system for high volume chip disposal.

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

www.hennigworldwide.com
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

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Name</th>
<th>BELTS / BELT KITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Front Chain Guard</td>
<td>25 Hinge Belt (whole belt replacement)</td>
</tr>
<tr>
<td>2</td>
<td>Torque Limiter Assembly</td>
<td>17 Hinge Kit (standard)</td>
</tr>
<tr>
<td>3</td>
<td>Inside Chain Guard</td>
<td>18 Hinge Kit (with plain cleat)</td>
</tr>
<tr>
<td>4</td>
<td>Take-Up Bearing</td>
<td>19 Hinge Kit (with serrated cleat)</td>
</tr>
<tr>
<td>5</td>
<td>Belt Sprocket</td>
<td>26 Scraper Belt (whole belt replacement)</td>
</tr>
<tr>
<td>6</td>
<td>LH Inner Guard</td>
<td>27 Scraper Blade Kit</td>
</tr>
<tr>
<td>7</td>
<td>RH Inner Guard</td>
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</tr>
<tr>
<td>8</td>
<td>Torque Limiter Key / Direct Drive Key</td>
<td>Control Box (VFD)</td>
</tr>
<tr>
<td>9</td>
<td>Belt Sprocket Key</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Drive Shaft</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Bearing Cover</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Drive Chain</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Flip Lid</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Gear Motor Sprocket</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Gear Motor</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Adjustable Supports</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Idler Shaft Assembly (if provided originally)</td>
<td>Idler Shaft Assembly (if provided originally)</td>
</tr>
<tr>
<td>21</td>
<td>Motor Bracket</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Control Box (VFD)</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Motor Cover</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Caster Assembly (option)</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Hinge Belt (whole belt replacement)</td>
<td>Idler Shaft Assembly (if provided originally)</td>
</tr>
<tr>
<td>26</td>
<td>Scraper Belt (whole belt replacement)</td>
<td>Idler Shaft Assembly (if provided originally)</td>
</tr>
</tbody>
</table>

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.

### BELT REPLACEMENT / KITS

**hinge belt**

**scraper belt**
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.

options
BELT TYPE can be used with scraper belt or hinge belt
FILTER DISC SIZE 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 1 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

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 a hinge or scraper belt.

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.
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
PAPER FILTRATION BELT

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 others 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.
DRUM FILTER

Automatic metal-edge filters are suitable for all applications where low or high-viscosity liquids or pastes have to be filtered and homogenised. These compact inline filter systems can be designed for semi or fully automatic cleaning. The system is cleaned by rotating the cartridge against a spring actuated scraper.

METAL-EDGE FILTERS

Automatic metal-edge filters are suitable for all applications where low or high-viscosity liquids or pastes have to be filtered and homogenised. These compact inline filter systems can be designed for semi or fully automatic cleaning. The system is cleaned by rotating the cartridge against a spring actuated scraper.
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 gauges are a standard feature, and baffles, chip baskets, and removable screens can also be added.

options
- BAFFLES / CHIP BASKETS / SCREENS
- CARTRIDGE AND/OR CYCLONIC FILTERS
- FLOAT SWITCHES
- OIL SKIMMERS
- COOLANT PUMPS
- CUSTOM G / MIN (dm³/h) 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
**COMPANY (complete address)**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Title</td>
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<tr>
<td>E-mail</td>
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<tr>
<td>Phone</td>
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<td>Fax</td>
<td></td>
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<td>Date</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Brand Options: Hennig, Enomoto, Sermeto, Cobsen, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part #</td>
</tr>
<tr>
<td>Serial #</td>
</tr>
<tr>
<td>Belt Type Options: Hinge, Plain, Perf, Dimple, Scraper, Magnetic</td>
</tr>
</tbody>
</table>

**MACHINE INFORMATION**

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Available References</th>
<th>Chip Volume (total machine)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type Options: Lathe, Milling, Drilling, Tapping, Other</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Spindle Power</td>
<td>kW</td>
<td></td>
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<tr>
<td>Available Power Options: 400, 220, 110, 24 VDC, Other</td>
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</tr>
<tr>
<td>Chip Material Options: Soft Steel, Hard Steel, Stainless Steel, Brass/Copper, Cast Iron, Aluminum, Cast Aluminum, Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kind of Chips Options: Fine, Broken, Large Broken, Lg Bushy, Tight Bushy</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CONVEYOR TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Intake Length</th>
<th>L1 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Length</td>
<td>L mm</td>
</tr>
<tr>
<td>Discharge Height</td>
<td>H mm</td>
</tr>
<tr>
<td>Max Width</td>
<td>W mm</td>
</tr>
<tr>
<td>Angle (45°, 60°)</td>
<td>A deg</td>
</tr>
<tr>
<td>Width of Chip Chute</td>
<td>W1 mm</td>
</tr>
<tr>
<td>Height of Chip Chute</td>
<td>H1 mm</td>
</tr>
<tr>
<td>Frame Height</td>
<td>H2 mm</td>
</tr>
<tr>
<td>Chute Height</td>
<td>y mm</td>
</tr>
<tr>
<td>Belt Width</td>
<td>B mm</td>
</tr>
<tr>
<td>Foot Location (choose one)</td>
<td>B □ C □</td>
</tr>
<tr>
<td>Casters</td>
<td>□ Yes □ No</td>
</tr>
<tr>
<td>Coolant Tank Required</td>
<td>□ Yes □ No</td>
</tr>
<tr>
<td>Coolant Flow Rate</td>
<td>L/min (total machine)</td>
</tr>
<tr>
<td>Coolant Slots</td>
<td>□ Left □ Right □ Both □ None</td>
</tr>
<tr>
<td>Conveyor Speed (m/min)</td>
<td>2.2 □ 1.6 □ Other</td>
</tr>
<tr>
<td>Overload Protection</td>
<td>□ Current Sensor □ Mech. Torque Limiter □ None □ Other</td>
</tr>
</tbody>
</table>

**Installed Location Options:** On Floor, Inside Machine, Inside Pit, Inside Tank

**Motor Location Options:** Left, Right

**Power Requirements**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Ph</th>
<th>Hz</th>
</tr>
</thead>
</table>

**Control Box Options:** Yes, No, Variable Speed (standard), 3 button box (fwd, rev, e-stop), Auto/Manual Selector Switch, Electrical Plug (if yes, please specify)

**Control Box Location Options:** Top Front, Top Left, Top Right, Left Side, Right Side, Stand Alone

**Paint (texture powder coated) Options:** RAL #, Other

---

![Inlet cross section](image1)

![Right side profile view](image2)

![View facing the conveyor](image3)
### Existing Conveyor

*If you have the conveyor part number, disregard the sections below.*

- **Brand**: [ ] Hennig [ ] Enomoto [ ] Sermeto [ ] Cobsen [ ] Other ______________________________________________________________________________
- **Part #**: __________________________
- **Serial #**: __________________________
- **Make**: __________________________
- **Model**: __________________________
- **Available References**
  - [ ] Photos
  - [ ] Drawings
- **Available Power**
  - [ ] 400
  - [ ] 220
  - [ ] 110
  - [ ] 24 VDC
  - [ ] Other ______________________________________________________________________________
- **Type**
  - [ ] Lathe
  - [ ] Milling
  - [ ] Drilling
  - [ ] Tapping
  - [ ] Other ______________________________________________________________________________
- **Chip Volume**: ____________ dm³/h
- **Spindle Power**: ____________ kW
- **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**: ____________ mm
- **Max Length**: ____________ mm
- **Discharge Height**: ____________ mm
- **Max Width**: ____________ mm
- **Angle (45°, 60°)**: ____________ deg.
- **Width of Chip Chute**: ____________ mm
- **Height of Chip Chute**: ____________ mm
- **Frame Height**: ____________ mm
- **Chute Height**: ____________ mm
- **Foot Location (choose one)**
  - [ ] B
  - [ ] C ____________ mm
- **Casters**
  - [ ] Yes
  - [ ] No
- **Coolant Flow Rate**: ______ L/min (total machine)
- **Coolant Type**
  - [ ] Water Soluble
  - [ ] Synthetic
  - [ ] Oil ______ cSt
  - [ ] 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
  - [ ] Mech. Torque Limiter
  - [ ] None
  - [ ] Other ______________________________________________________________________________

### Company

*Complete address*

- __________________________________________________________
- __________________________________________________________
- __________________________________________________________
- __________________________________________________________

- **Name**: __________________________________________________
- **Title**: __________________________________________________
- **E-mail**: _________________________________________________
- **Phone**: ______ Fax: ______ Date __/__/____

### Machine Information

- **Make**: __________________________
- **Model**: __________________________
- **Available References**
  - [ ] Photos
  - [ ] Drawings
- **Chip Volume**: ____________ dm³/h
- **Spindle Power**: ____________ kW
- **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 Dimensions

- **L1**: ______ mm
- **L**: ______ mm
- **H**: ______ mm
- **W**: ______ mm
- **A**: ______ deg.
- **H1**: ______ mm
- **W1**: ______ mm
- **H2**: ______ mm
- **y**: ______ mm
- **B**: ______ mm

### Gear motor location

- **Right Location**: __________________________
- **Left Location**: __________________________
Please complete this form and email or fax to your desired location. See pages 23-24 for contact info.

COMPANY (complete address)

Name ____________________________
Title ____________________________
E-mail ____________________________
Phone ____________________________ Fax ____________________________ Date __/__/____

MACHINE INFORMATION

Make ____________________________ Model ____________________________
Type □ Lathe □ Milling □ Drilling □ Tapping □ Other ____________________________
Available References □ Photos □ Drawings ____________________________
Chip Volume ____________ dm³/h

AUGER MEASUREMENTS

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 (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 TANKS

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)
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________

MACHINE INFORMATION

Name ________________________________
Title ________________________________
E-mail ________________________________
Phone ________________ Fax ________________ Date __/__/____

COOLANT TANK TECHNICAL DATA

Make ________________________________ Model ________________________________
Type □ Lathe □ Milling □ Drilling □ Tapping □ Other ________________________________
Available References □ Photos □ Drawings
Chip Volume ___________ dm³/h

Tank Shape □ Square/Rectangular □ L Shape □ T Shape □ Other ________________________________
Tank Size L _________ mm W _________ mm
L1 _________ mm W1 _________ mm
L2 _________ mm H _________ mm
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
Required Filtration Level ____________________ microns

Float Switch □ High Level □ Low Level □ None
Oil Skimmer □ Yes □ No
Coolant Capacity ___________ L
Coolant Flow Rate ___________ L/min (total machine)
Additional Options ________________________________

Additional Information ________________________________
_________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

SQUARE/RECTANGLE

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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
- Machine Roof Bellow Covers
- Modular Face Shields (XYZ Shields)
- Flex Doors
- Bellows
- Aprons & Roll Up Covers
- Walk-On Covers
- Wiper Systems
- Telescopic Springs
- Cable Conduits

Chip Solutions
- Chip Conveyors
- Turnkey Chip Management
- Conveyor Networks
- Conveyor Spare Parts
- Coolant Filtration
- Coolant Tanks

Enclosures & Facility Safety
- GENSET Enclosures
- Machine Enclosures
- Platforms and Stairs
- Guarding and Fencing
- 3D Printer Enclosures
- Additive Manufacturing Enclosures
- Scissor Lift Bellows
- Special Fabrications