Discharge Conveyors
Parts Transporters
Supply Conveyors
for
Wire-Cold forming
-heading operations

We supply:
Unloading and loading conveyor for:
Cold Headers
Roll Threaders
Slotters
Pointers
Shavers
Nail Machines
Vertical Presses
Punch Presses
Tappers

Goessling USA, Inc.
Conveyors and Connecting Systems
we supply:

very low infeed charge and discharge conveyors, with hinged steel or wire mesh belts for use in cold heading and forming machines of all types.

Our construction utilizes low noise and no wear components, also low infeed height

4" and 6" Drahtboys, serie M
8" for Drahtboys, serie N (type I to VI) with best discharge height and smallest projection.

Interlinking running side plates (1 1/4" high) form a trough to avoid parts from catching or jamming on frame.

Incline of 60° to 85° permit reaching discharge in shortest lateral distance.

Optional accessories:

- Inspection Box at Discharge Head
- Oilpan
- Oilmist Cover
- Adjustable Discharge Nozzle Chute
- Cleaning Brush (rotating)
- Batching Units (6 types for ghostshifting)
- Sorting Rolls
- Vibrating Sorting Grids
- Washing Units (drum-or belt-type)
- De-oiling Centrifuges
- Screw Checker
Discharge conveyors on thread rollers and slotting machines allow use of larger containers, improving controls and increasing production.
Thousands of Drahtboys in daily use all over the world and many connected to process controllers for production of rivets, blind rivets, all types of screws, nails, pins & coldformed parts.
what ever your problems are:
best batching at threaders,
feeding of threaders even with long blanks,
best discharge of headers,
discharging of nail/pin-headers with scrap separation,
degreasing units (washing, centrifuging),
screw checking (for zero defects).

You should ask us!

We deliver the best technics to you.

We have specialized in fastener conveying.

26 Wafios nail header with Drahtboy VI and roller sorter

27 Menn thread roller with Lasticus feeder

28 Pace-Anker thread controller with Lasticus feeder

29 Wafios nail header with Drahtboy VI and roller sorter

30 Wafios nail header with Drahtboy VI and

31 Roller sorter for nail chip separation

32 Screw checker with Drahtboy V-feeders
SAFED inert gas heat treating furnace with Drahtboy V-charger and linear vibrating feeder incl. automatic feeding control.

For feeding of roll threaders, we supply steep conveyors Drahtboy V with level control of vibrating bowl.

For heat-treating we recommend our conveyors Drahtboy V with distribution vibrating feeders for uniform loading of belt (vibrating feeder with volumetric or gravimetric control for exact oven loading).
Drahtboy IV-feeder

Goessling conveyors on their daily jobs

Saspi-thread roller with Lastikus feeder

Washdrahtboy for washing/degreasing between Hilgeland header and thread roller

Hilgeland thread roller with Drahtboy V-S feeder and roller sorter (instead of vibrating bowl)

Menn-thread roller with Lastikus-feeder

Wafios nail header with Drahtboy V/S feeder

and roller sorter for nail scrap separation

Tahei-pinch pointer with Drahtboy V-feeder
with short infeed and short steep elevation

with longer horizontal infeed (for use with sound enclosures) and short, steep elevation, with or without cover.

**Drahtboy I**

**Drahtboy II**

**Drahtboy VI**

<table>
<thead>
<tr>
<th>Our Standard Drahtboy conveyor types:</th>
<th>100, 150, 200, 250, 300 [mm]</th>
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</thead>
<tbody>
<tr>
<td>Belt width NB (usable):</td>
<td>4&quot;, 6&quot;, 8&quot;, 10&quot;, 12&quot;</td>
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<tr>
<td>Speed</td>
<td>3, 4, 6, 9 or 12 [m/min]</td>
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<tr>
<td>Power</td>
<td>0.1, 0.18, 0.25 [kW]</td>
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<tr>
<td>Electrics</td>
<td>220/380 [V], 50 [Hz]</td>
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<td>110,220,440 [V] - 3 ph., 50 or 60 [Hz]</td>
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Regarding our **Drahtboy M types**, please request our special catalogue.

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Yamato Seiki screw checkers with Drahtboy IV-feeders
especially for long parts and small sharp pointed parts such as nails, and long self drilling screws.

Drahtboy III

with steel hinged link belt

with wire mesh belt

special design of our Drahtboys V

steep feeder with hopper for feeding thread rollers

Drahtboy IV

NB + 65 (NB + 3½')

NB + 530 (NB + 20½')

Drahtboy V

Thread roller with Drahtboy V-feeder
We deliver:

Discharging *Drahtboys* (small hinged belt conveyors) in each conveying line, for ascending transportation in L or S-shape, in each length and with each discharge height, whatever may be necessary. For fast delivery and low price we recommend to use our standardized types.

Two-lane conveyors for separate transport of blanks and scrap in one conveyor. For special purpose we deliver hinged belt type and magnetic sliding type in one conveyor unit.

Rotating cleaning brush (of nylon 6.6, spring steel or brass) for continuous cleaning of the hinged steel belt in order to remove oil sticking small parts and to avoid jamming of the belt. By use of machined side rails (of PEE or steel) all gaps at the belt sides are totally closed even for smallest screws, pins, nails or scrap.

Vibrating feeders which can store a complete bulk charge for thread rollers (or similar machines) with smoothly controlled feeding of blanks etc. into vibrating bowls or roller sorters of those units.
We deliver:

Steep feeders on rolls (Drahtboys IV or V, Lastikus) for easy moving by hand in connection with thread rollers, slotters, packing and weighing machines etc. The feeding rate is automatically controlled.

Steep feeders with batch lifter (lift and tipping device) in order to lift and discharge pans, boxes, tubs etc. into the hopper of the steep feeder (Drahtboys IV or V)

Steep feeders with hoppers for extra docking

Steep feeders with roller sorters (Drahtboys IV or V, Lastikus) to feed blanks directly into the steel rails of a thread roller without using a vibrating bowl. A linear vibrating feeder assists the aligning transport of long shaped blanks for sorting them with high efficiency. Sorting gap (even conically) and roll-speed can be adjusted infinitely.
We deliver:

**Disentanglers** (patented) for raveling of entangled long shape blanks in a big mass. Those parts can easily be decollated and fed to a thread roller, bending or welding machine without danger of spoiling by bending in the randomly distributed feed-in position.

In connection with roller sorters those long parts can simply be handled to the next following machine.

**Steep conveyor with roller sorters** to separate small tips and scrap from the blanks.

**Fully automatic testing machines** for checking different diameters, shaft length and height of the head.

**Screw checker** with linear vibrating feeder and vibrating bowl.
We deliver: Magnetic sliding conveyors for the screw and nail manufacturing industries, for washing units and for quench tanks in the hardening and annealing process.

84 Magnetic sliding conveyor for feeding an inert gas furnace (screw hardening)

82 Nail press with magnetic sliding conveyor

83 Magnetic sliding conveyor for interlinking

85 3-position tilting chute

86 2-position tilting chute

Drahtboy-/Stahlboy conveyors with swivel chute distributor to fill several boxes in ghost-shifting operation

89 2-position tilting chute

90 2-position tilting chute

91 2-position tilting chute

92 2-position tilting chute
Transfer-charger

Box-changer

We deliver:

**Batch Sharer** for fully automatic discharge and distribution of mass produced parts into several small predisposed tubs or boxes for intermediate production periods or ghostshifting method (process controlled by Brankamp, Elma, etc.)

**Tilting chutes** with two, three or more discharge positions

**Swivel nozzle distributor** with circular moved distribution chute (12 x 30°, 8 x 45°, 6 x 60°)

**Distributor with linear moved boxes** (transfer distributor)

**Box changer** with stapled boxes, transferring empty boxes one by one to the filling position

**Vertical box lifter** (for vertical storage of filled boxes)

**Round table box filler** (Portiomat)

By means of those **batch sharers** a specified batch of mass produced parts can be filled up into the material boxes in accordance to process controlled manufacture based on the limited space around the headers, thread rollers etc.

**Transfer Distributors** and **Round Table Box Fillers** are used for storage of blanks before discharging them into big bins. They need only very small space for a big storage.

**Vertical Box Lifter** store the boxes on an extremely small ground space and can be used very economically in connection with ghostshifting.
We deliver:
**Washing units** for degreasing and cleaning of blanks between header and thread roller (in line cleaning). They use hot water solution and have fully integrated oil separators for effective separation of oil. Our wash conveyors (of drum- or belt-type) produce a clean endproduct and allow the direct interlinking in the cold formed production line (wash-in-line).

Details:
Special conveyor belt of hinged or wire mesh type with submerge and spray zone, heat isolated water tank, electric heating system, high duty water pump, filter and permanent magnetic plate catcher, fully automatic fresh water supply and temperature control, float-switch, complete oil separation with swimming-skimmer, centrifugal pump, oil thickening box and disk skimmer, drop off tumbling zone, drying zone (additional delivery) complete electric control set.

**Oil removing centrifuges** for in-line oil separation from the blanks or other cold formed mass produced parts between headers and thread rollers or similar applications continuous feeding and careful treatment by special feeding method at low speed rates, interval switching and high duty oil separation by high centrifugal force even with careful material handling (3 types for different output and piece dimensions)

**Washing units** and **oil removing centrifuges** allow modern cell operation in the fastener industry.
Our Drahtboy conveyors are frequently used for stamping and punching plants, coins and rounds, as well as for feeding vibrating grinding bowls and in the heat treating process.

Wherever space restrictions are evident and trouble-free operation is required our Drahtboy conveyors are used with success.

For bolts and heavy parts please request our special catalogue, ask for our Stahlboys.

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