



SCHUMA



SCHUMA. Mittel und Wege am laufenden Band.

OUR PHILOSOPHY

More than 40 years of experience and Swabian craftsmanship - these two points come together at SCHUMA. The result: Quality in all departments. Further development and quality to the highest standard is our philosophy. We achieve this using our competence, our experience and our technical know-how through motivated and dedicated employees.

Whether its conveying, sorting, stacking or quality assurance, whether its standard systems or special requests - SCHUMA is the right partner for you. We specialise in custom-made solutions: intelligent, safe and profitable.

We plan and implement your projects with you. Modern 3D design and custom programming for any automation allow us to cater for your requests and needs exactly. Keep a step ahead of technical innovations and use our systems to perfect your processes. Real Swabian craftsmanship can help you become a global enterprise. A functioning system that will give you a competitive edge.

Benefit from the SCHUMA effect!



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SCHUMA CONVEYOR TECHNOLOGY

Conveyor technology with unlimited flexibility.
SCHUMA profile-conveyor technology provides this.

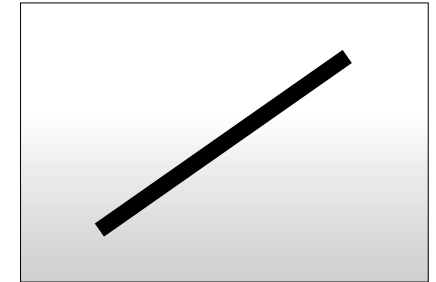
Our profile-conveyors are manufactured with an aluminium base frame. This is how we achieve high quality with maximum flexibility. Our profile-conveyors come in the widest variety of types. Regardless of whether you need a straight profile, an angled profile or other variants of conveyor, it is possible with SCHUMA profile-conveyors.

Retrofitting components to the conveyor frame is easy to do thanks to the flexible groove profile. SCHUMA profile-conveyors are available in all variants. Thanks to the comprehensive range of SCHUMA conveyors, we can offer you optimized solutions for your production processes.

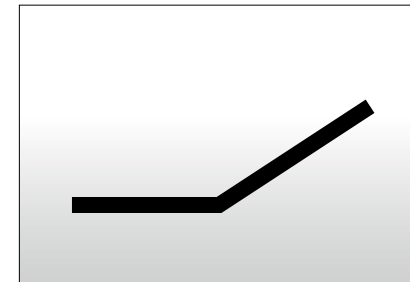
Convincing detail solutions in connection with the high-quality design of the frames, motors and belts ensure the best functionality and absolute reliability even under very heavy use. In heavy applications cases, we use steel frames welded and powder-coated with drum diameter 63 or 100 mm.



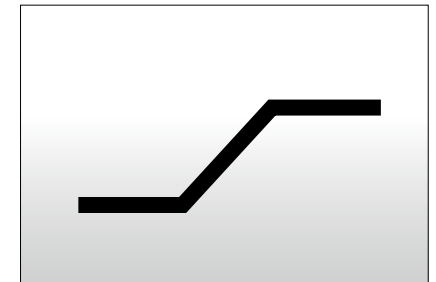
Straight profile version
Type: PRO-EN / PRO-EU



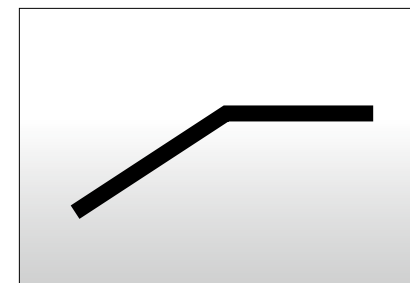
Gradient profile version
Type: PRO-ZN / PRO-ZU
Type: PRO-SEN / PRO-SEU



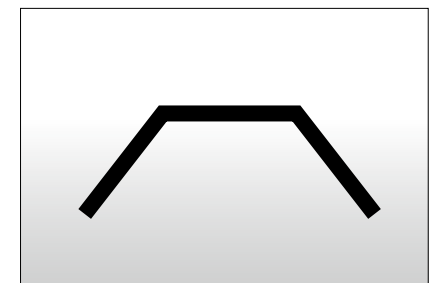
Angled profile conveyor
Type: PRO-WA



Double-angled profile-conveyor
Type: PRO-WAA



Negative-angle conveyor
Type: PRO-EN-K



Double-negative-angle profile conveyor
Type: PRO-EN-K-K

GRAVITY ROLLER CONVEYOR PAGE 11

Gravity roller conveyors make it simple to transport the material to be conveyed. These can be combined with our conveyors to easily create different designs.

CONVEYOR TYPES PAGE 4

The angle of the conveyors are infinitely adjustable. This provides maximum flexibility for the surrounding conditions.

DRIVE UNIT TYPES

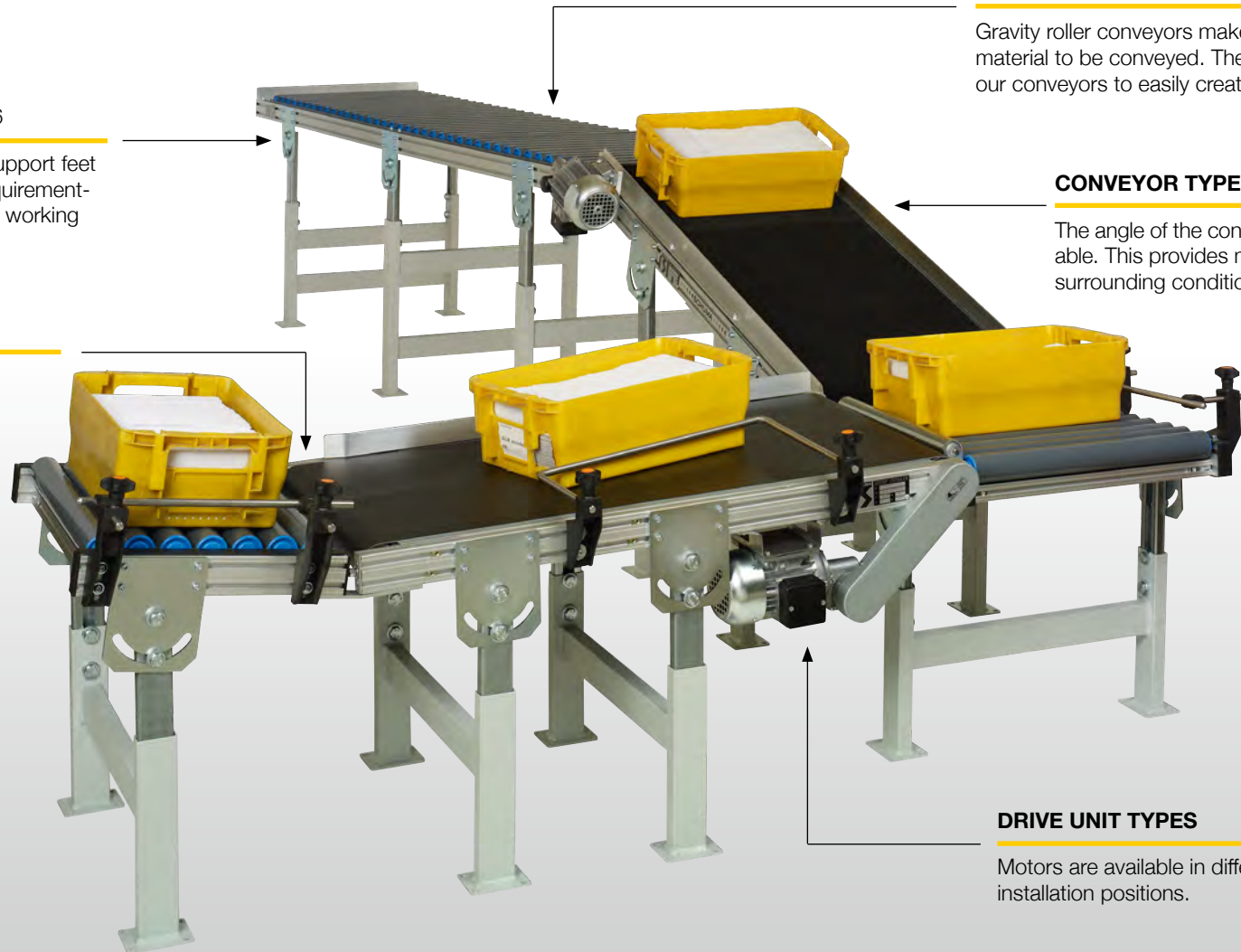
Motors are available in different versions and installation positions.

FOOT SYSTEMS PAGE 6

Continuously adjustable support feet allow an easy, fast and requirement-oriented adjustment of the working height.

BELT VARIANTS PAGE 6

For every application or purpose, we offer the suitable belt variant.



SUPPORT FEET SYSTEMS



Single foot



Leg support foot



T-foot, standard



T-foot, strengthened

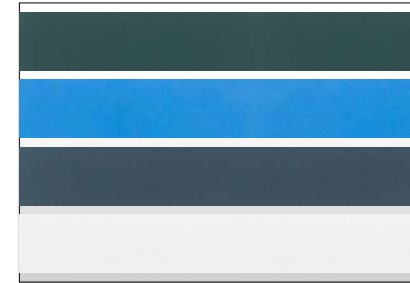


Steep conveyor support foot

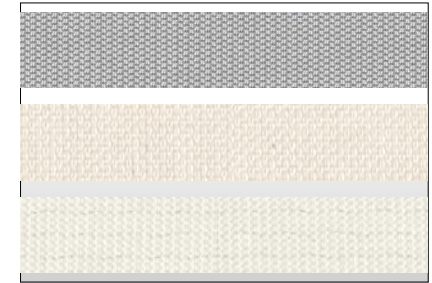


Scissor support foot

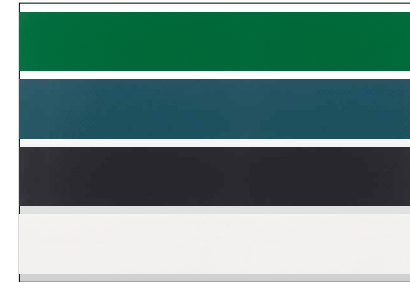
BELT VARIANTS



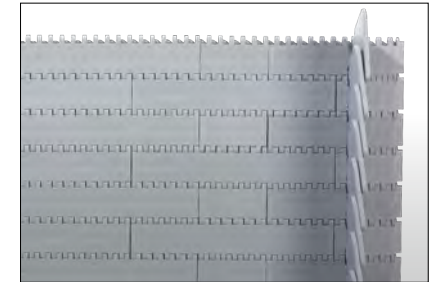
PU belt



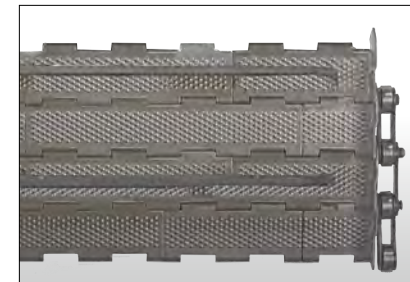
Mesh belt



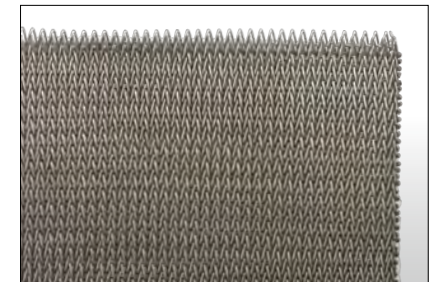
PVC belt



Plastic plate belt



Metal plate belt



Steel mesh belts

CONVEYOR – TYPE: PRO-EN/EU

The classic. The straight profile-conveyor.

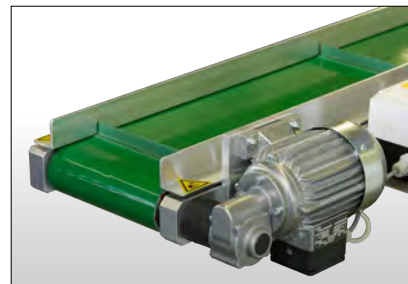
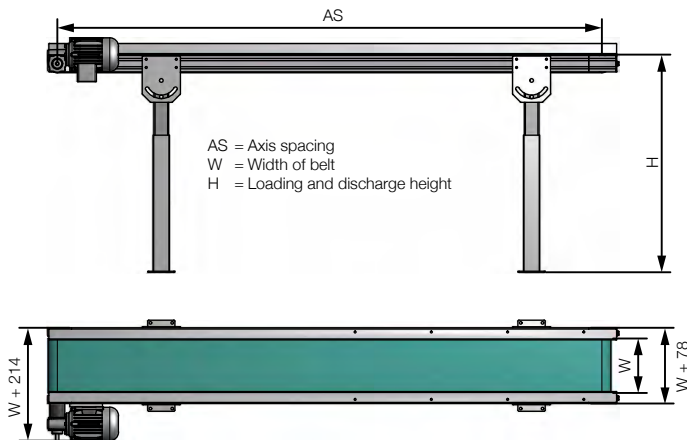
The SCHUMA conveyor type PRO-EN/EU is the optimal solution for a linear conveyor section that is adapted exactly to your needs.

Benefits:

- infinitely variable height adjustment
- conveyors with any width and length
- motor next to the conveyor belt (type: PRO-EN) can be chosen
- motor under the conveyor belt (type: PRO-EU) can be chosen
- different conveyor belt types possible
- clean room version possible

We make your conveyor with a steel frame if it will be used for heavy loads.

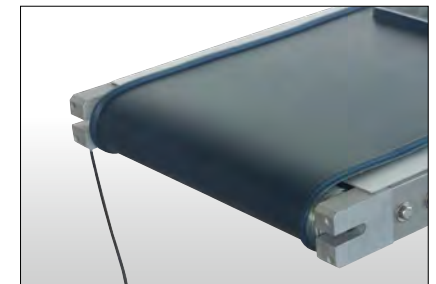
Regardless of the field of application, we will find the perfect solution for your needs.



Motor installed next to the conveyor belt type: PRO-EN.



Spiroplan gear motor is used for heavy use cases.



Drum motor type: PRO-E-TRO.

CONVEYOR – TYPE: PRO-ZN

The perfect helper for small differences in height.

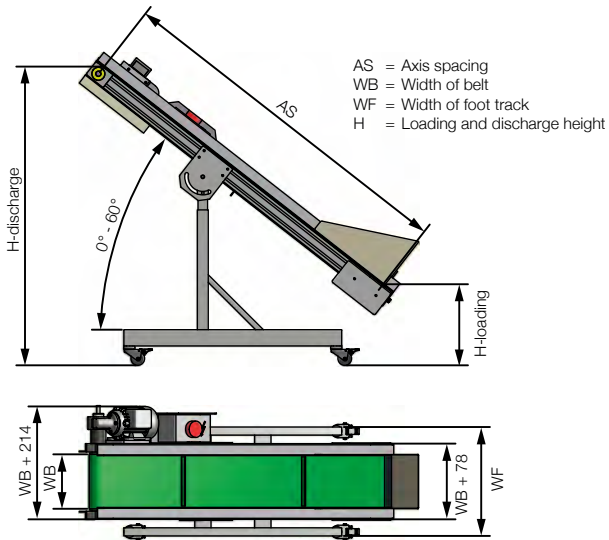
Whether as a machine delivery conveyor or transfer conveyor, the PRO-ZN is very well suited for small space conditions thanks to its compactness.

Benefits:

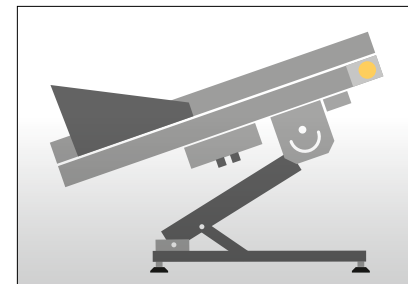
- infinitely variable height adjustment
- conveyors with any width and length
- motor next to the conveyor belt (type: PRO-ZN) can be chosen
- motor under the conveyor belt (type: PRO-ZU) can be chosen
- different conveyor belt types possible
- clean room version possible
- feed hopper

When used for heavy loads, we manufacture your conveyor with a steel frame.

Regardless of the field of application, we can find the perfect solution for your needs.



Feed hopper for supplying the conveyed material.



Using a manual crankshaft, the height of the scissor foot can be adjusted.



Discharge chute for supplying the conveyed material precisely.

STEEP CONVEYOR – TYPE: PRO-SEN

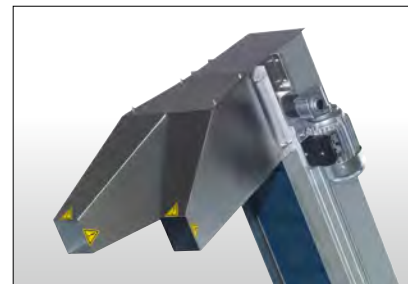
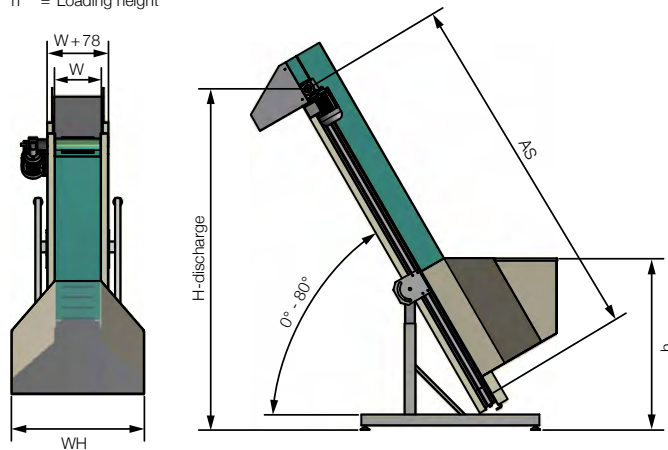
Reaching great heights with the SCHUMA steep conveyor type: PRO-SEN.

With the SCHUMA steep conveyor, large differences in height can be overcome in a small space. The feed hopper of the conveyor is adapted especially to your requirements. Thanks to the special SEN steep conveyor base, the angle of the conveyor can be freely adjusted. The discharge chute can be used to supply the conveyed material exactly to the subsequent periphery.

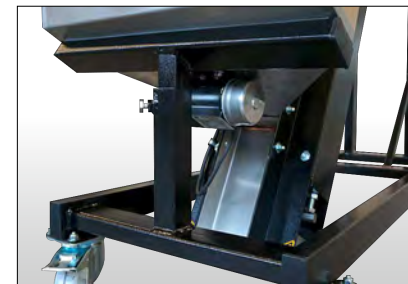
Benefits:

- infinitely variable height adjustment
- conveyors with any width and length
- motor next to the conveyor belt (type: PRO-SEN) can be chosen
- motor under the conveyor belt (type: PRO-SEU) can be chosen
- different conveyor belt types possible
- clean room version possible
- feed hopper according to requirements
- conveying angle infinitely adjustable

AS = Axis spacing
 W = Width of belt
 H = Loading and discharge height
 WH = Width of hopper
 h = Loading height



Double ejection chute to distribute the conveyed material through sorting gates.



Vibrator on hopper underside to prevent clogging of the parts in the hopper.



Bunker conveyor.

ANGLED PROFILE-CONVEYOR – TYPE: PRO-WA/WAA

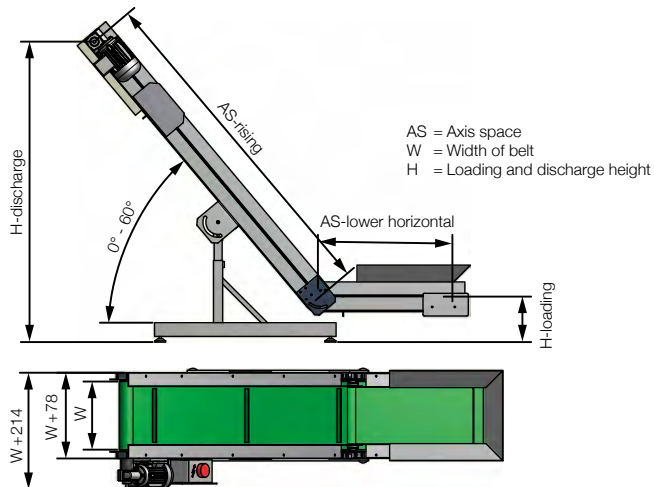
The ideal helper for height differences - the angled profile-conveyor.

SCHUMA angled profile-conveyors give you a variety of possibilities! SCHUMA angled profile-conveyors are available both as an L variant (PRO-WA) as well as a Z variant (PRO-WAA). With regard to dimensions in length and angles of gradient, the conveyors are available in the widest variety of versions and can therefore be adapted to your exact requirements.

Benefits:

- infinitely variable height adjustment
- angle of inclination infinitely adjustable from 0-60°.
- any horizontal, inclined and upper horizontal length
- motor next to the conveyor belt (type: PRO-WA) can be chosen
- motor under the conveyor belt (type: PRO-WAU) can be chosen
- different conveyor belt types possible
- clean room version possible
- belt width up to 600 mm possible, other sizes on request

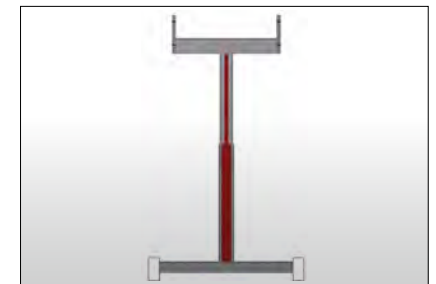
We make your conveyor with a steel frame if it will be used for heavy loads. An angle of inclination adjustment is not possible with a steel frame with Ø 100.



Additional angle on the discharge side type: PRO-WAA.



PRO-WA with leg support feet.



Gas spring integrated into the support foot for simple height adjustments.

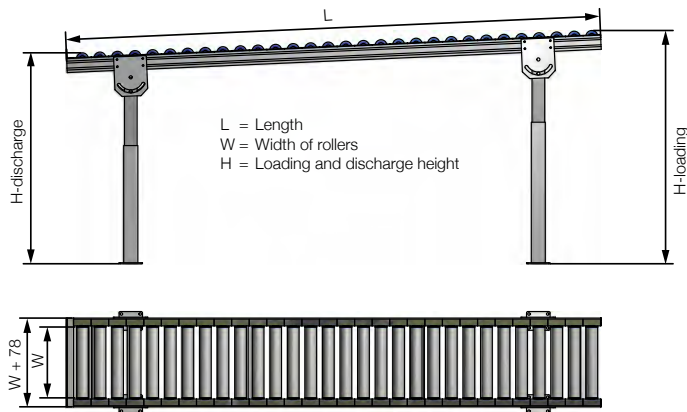
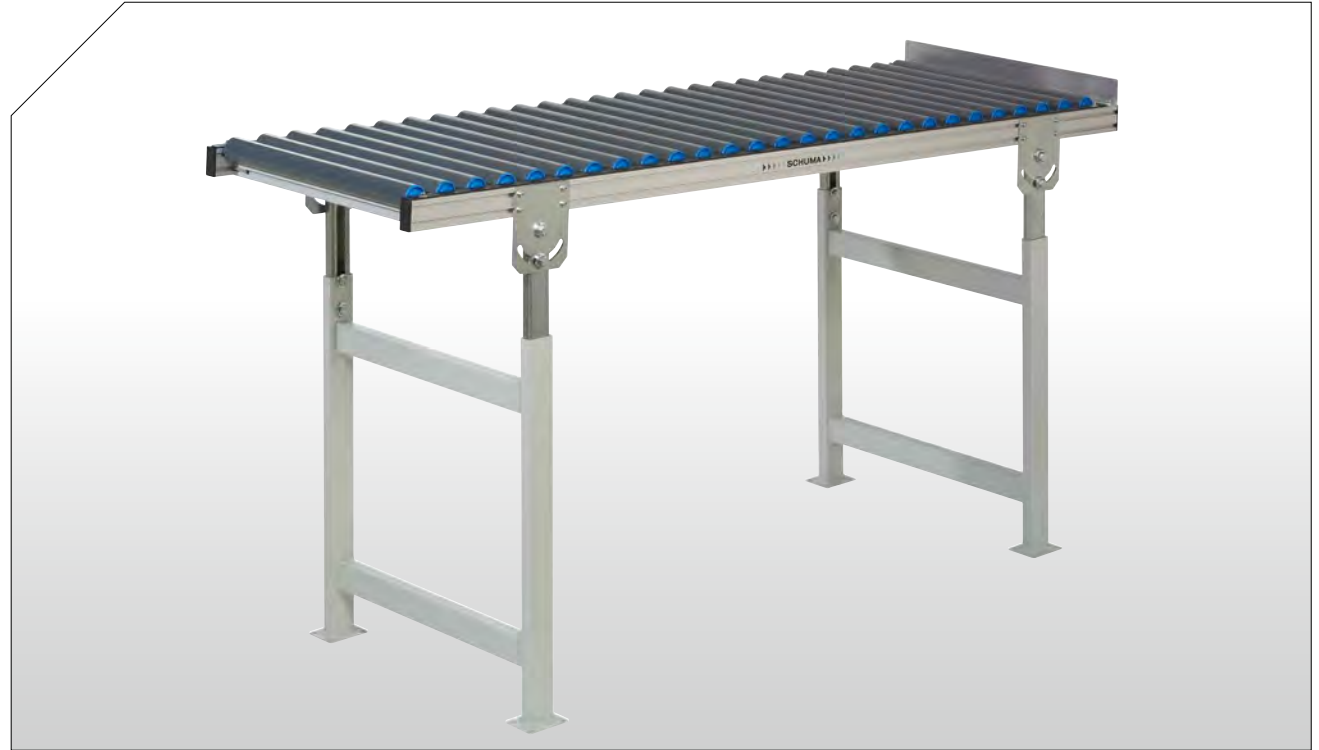
ROLLER CONVEYOR – TYPE: PRO-SRO

Just let it roll!
With the SCHUMA gravity roller conveyor.

With the gravity roller conveyor, containers and other drums can be transported simply and without energy expenditure. Transport is performed by gravity alone. The simple assembly system allows the rollers to be quickly installed and replaced. We use plastic rollers for conveyed goods up to 20 kg per roller. Steel rollers are used for heavier applications. With the driven roller conveyor type: ARO, we achieve a controlled and driven delivery when required.

Benefits:

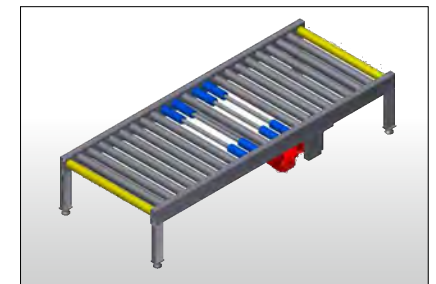
- infinitely variable height adjustment
- adjustable angle of inclination
- compatible with SCHUMA conveyors
- stainless steel version possible



Roller conveyor designed with steel and stainless steel rollers.



Curved roller conveyors.

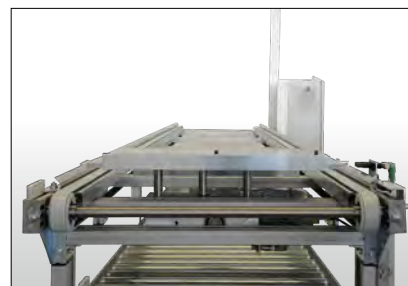
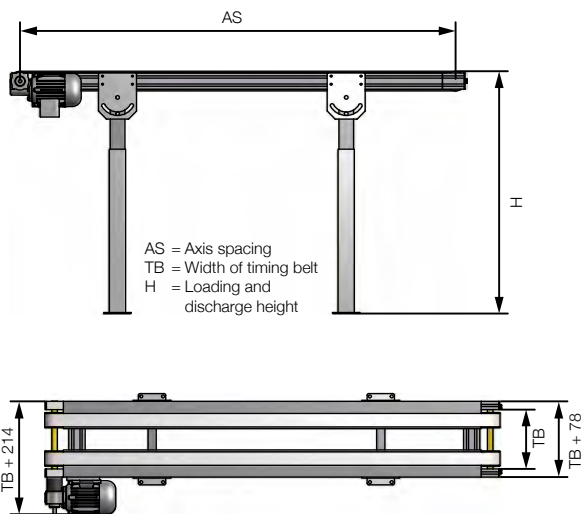


Driven roller conveyor.

TIMING BELT CONVEYOR

Bare your teeth for more freedom.

In application cases that do not allow an enclosed protector, we use timing belt conveyors. It is easy to transport different conveyed materials by infinitely adjusting the width of the belt on the diverting and drive shaft.



Timing belt conveyor with an electrical or pneumatic lifting station.



Chain conveyors.

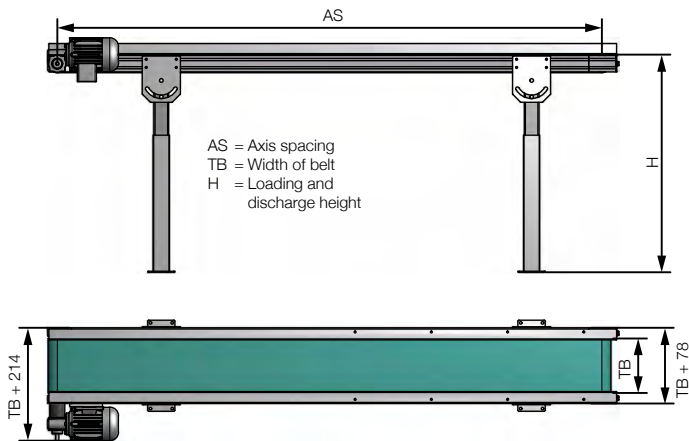
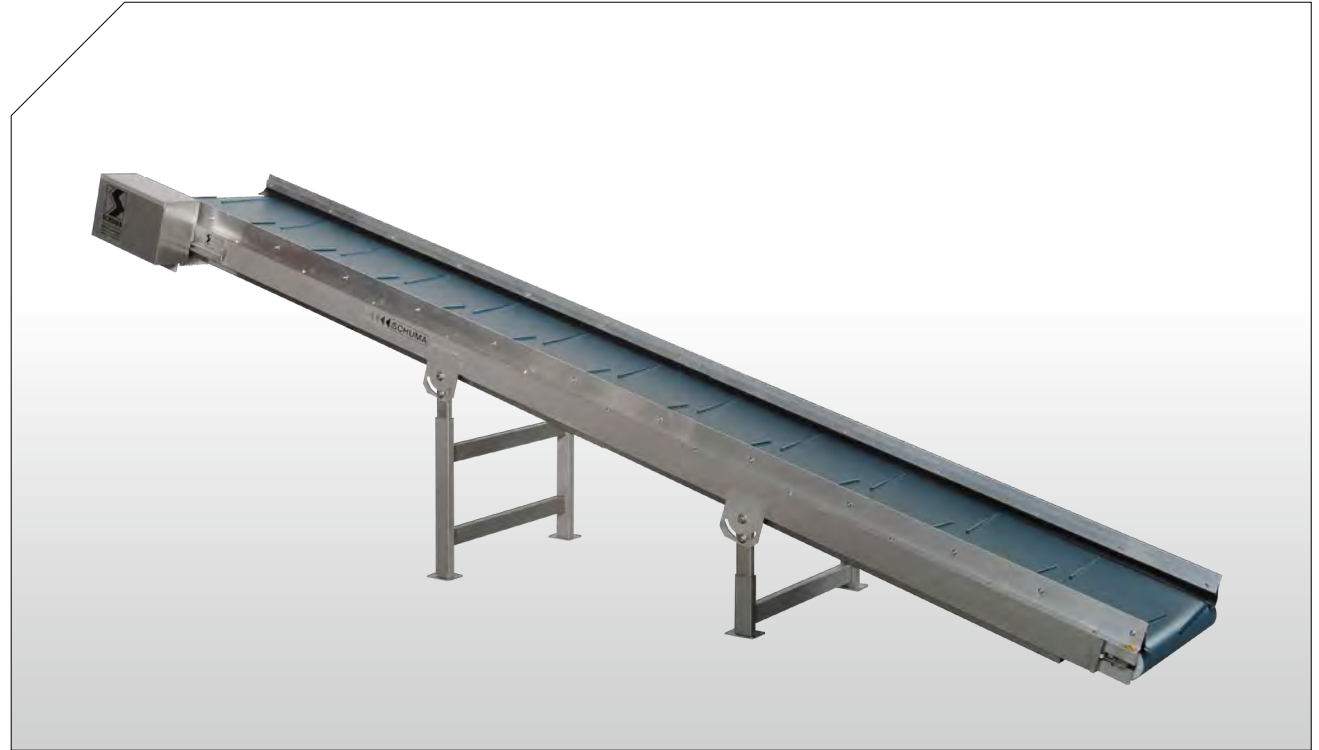


Round belt conveyor.

CONVEYOR BELT TYPE: EN-VA

With the SCHUMA stainless steel conveyor belt, applications in e.g. food industry, pharmaceutical industry, clean rooms as well as in applications of humid and wet environmental conditions can be realized.

In addition we obtain through a welded stainless steel frame a great stability, with which heavy goods can be conveyed. Drive and guide roller can be made of aluminum, stainless steel or polyamide.



Scraper brush.



Engine housed.



Swivel plate.

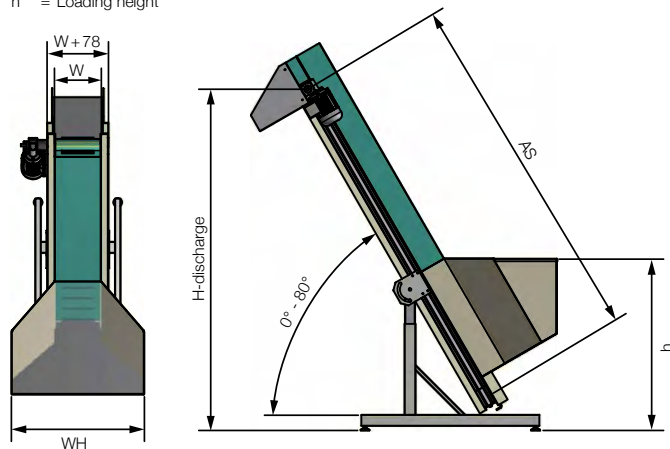
METAL PLATE BELT

With the SCHUMA metal plate belt, applications can be realized with conditions including a high weight, high temperatures and transport of sharp-edged and hard parts such as stamped parts and chips.

Metal plate belts are made with a solid steel frame made of rectangular profiles that have high stability. Metal plate conveyor belts can also be straight, angled or rising in the variants.

For food or pharmaceutical industry metal plate bands can also be made of stainless steel.

AS = Axis spacing
 W = Width of belt
 H = Loading and discharge height
 WH = Width of hopper
 h = Loading height



Feed hopper with vibrator.



Metal plate belt with studs.



Discharge chute.



SORTING DRUM – TYPE: STE

Sorting was never so simple!

The SCHUMA sorting drum STE is used to the automatic sorting of sprues and mouldings.

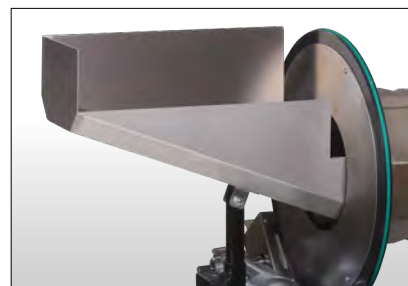
The parts are supplied, for example, by a SCHUMA conveyor. Parts from the sorting drum are supplied precisely using the insertion chute with adjustable angle. The separating gap of the drum can be infinitely adjusted without tools within a few seconds. The STE can therefore be used for sorting different parts. Thanks to the option of infinitely adjusting the height by means of adjustable telescopic feet, the height as well as the angle of inclination are freely selectable as required. A version of the STE with castors makes it easy to change the location. The STE is maintenance-free thanks to the design with an indirect drive unit, as well as non-abrasive plastic rods.

**Special space conditions?
We are happy to adapt the sorting drum
to your requirements as needed.**



Technical data

Separating gap	4 - 40 mm
Electrical connection	230V / 50Hz / 400V / 50Hz
Motor	Schneckengetriebemotor
Length	ca. 850 mm
Diameter	ca. 480 mm
Height	ca. 800 mm
Speed	constant or variable (only 230V)



Feed hopper for 90° angled tasks.



Adjustable perforated drum.



Perforated drum.

MULTI-SEPARATOR - TYPE: SSE

Small but separates like a pro!

The multi-separator from SCHUMA is used for sorting sprues directly at the injection moulding machine or after a conveyor system. Sorting is done according to the difference in height between sprue and moulding. The mouldings are removed at the side using a screw roller. Depending on the requirement, we manufacture the SSE for you in a left or right-hand discharge direction. The separating gap can be infinitely adjusted without tools in a few seconds. The SSE can therefore be used with different parts to be separated. Thanks to the option of infinitely adjusting the height by means of adjustable telescopic feet, the height is freely selectable as required. Loosening spikes built into the screw prevent parts from getting stuck or jammed during the separating process.

Technical data

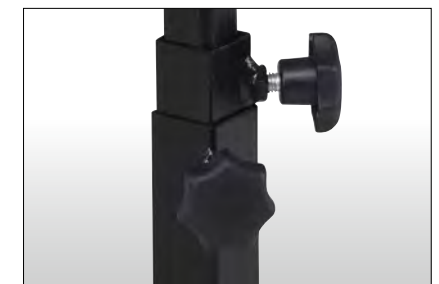
Separating gap	3 - 110 mm
Electrical connection	230V / 50Hz
Motor	Planetary gear motor
Loosening spike	3/4/5
Plug	Schuko
Height	approx. 570 - 970 mm
Width	500, 600 or 700 mm
Length	approx. 390 mm
Speed	constant / variable
Flight depth of the screws	standard 3 - 6/8/11 when required
Paintwork	Black (RAL 9005) or Light grey (RAL 7035)



Simple adjustment of the separating gap.



Motor with speed control.

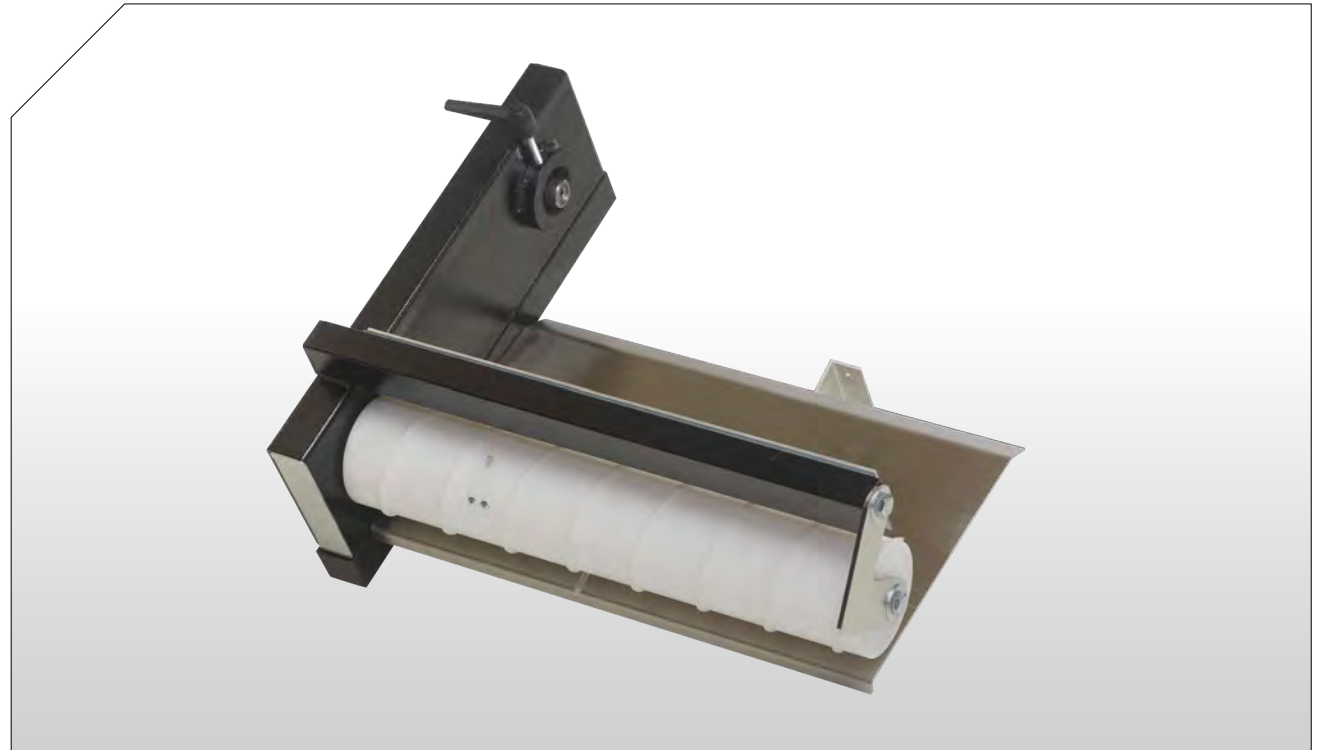


Infinitely variable height adjustment.

SEPARATING ATTACHMENT – TYPE: AS

Separating without diversions with our separating attachment – type: AS

With the SCHUMA conveyor, separating takes place directly on the conveyor. You save on space in comparison to stand-alone separators because it is attached to the Schuma conveyor. The separator is driven via the drive unit for the conveyor. Sorting is done according to the difference in height between sprue and moulding. The mouldings and the sprue fall from the conveyor onto a stainless steel chute and are delivered to a screw roller. The smaller object slides through the gap, whereas the larger one is discharged at the side via the screw roller. If necessary, we manufacture the AS in a left or right discharge direction for you. The separating gap can be infinitely adjusted without tools within a few seconds. The AS can therefore be used with different parts to be separated. Loosening spikes built into the screw produce a snap-levering action that causes the parts to turn over and therefore to an ideal sorting process. You can, however, also remove them quickly if needed.



Technical data

Separating gap	3 - 110 mm
Loosening spike	3/4/5 depending on the roller length
Width	500, 600 or 700 mm
Length	approx. 390 mm
Diameter	approx. 100 mm
Flight depth of the screws	standard 3 6/8/11 when required
Height difference of parts	at least 1 - 2 mm



Spiked roller – type: ST.



Sorting roller – type: SR.

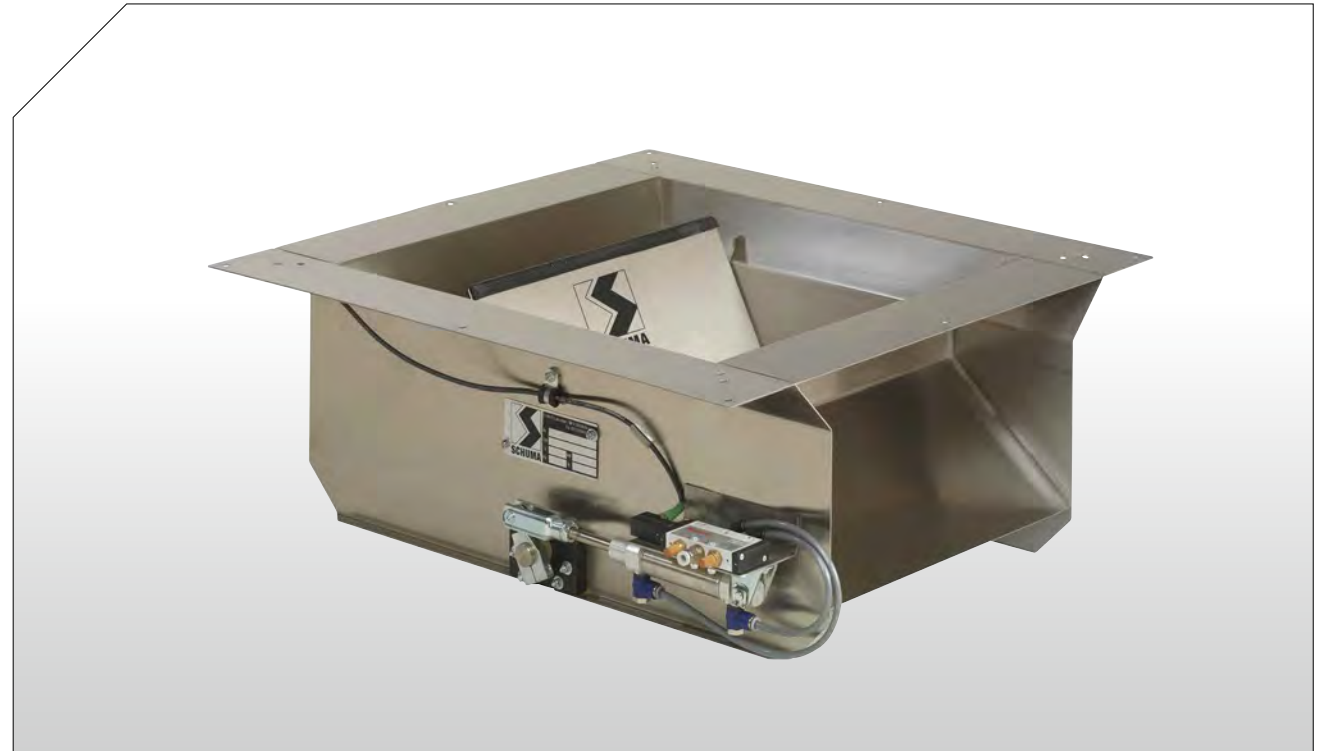
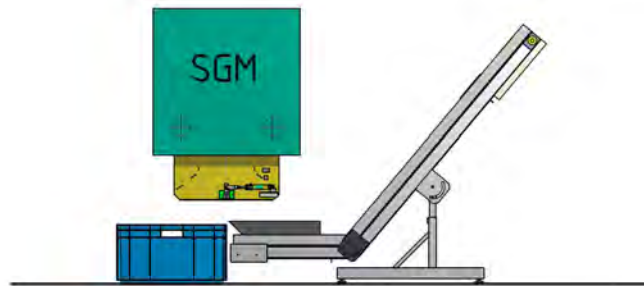


Separating attachment fitted on the conveyor.

PNEUMATIC FLAP – TYPE: USK

Sorting of good and bad parts still in the machine shaft with the SCHUMA USK!

With the SCHUMA pneumatic flap, sorting takes place directly in the ejection chute of the injection moulding machine. Sorting takes place via a sliding plate that can pneumatically change the sliding direction forwards or backwards. Positioned in the ejection chute, the USK receives a signal after every shot of the injection moulding machine about whether the shot is good or bad. If a signal for „shot bad“ occurs, the USK switches over and the reject parts slide in the other direction. If the signal drops, the pneumatic flap swings back to the initial position.

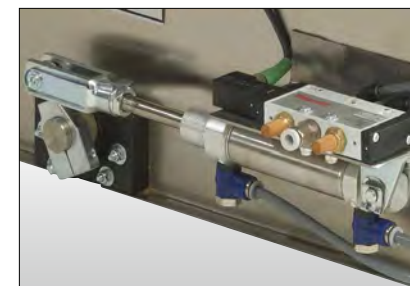


Technical data

Signal type	24 VDC
Loosening spike	6 bar
Material chute	Stainless steel
Height	any
Width	any
Length	any



Integrated swivel plate.



Switchover via pneumatic cylinder.

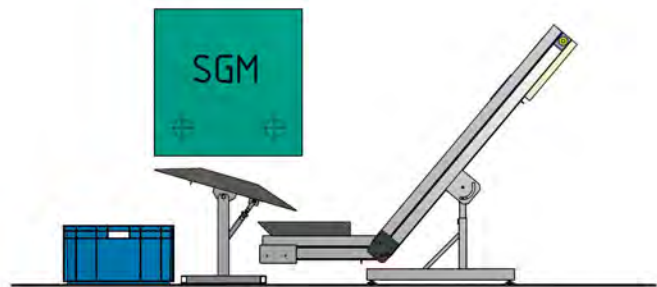


Electrical pneumatic flap.

EJECTION & SORTING CHUTE - TYPE: ASR

Quality assurance directly after the injection process with our ASR!

With the SCHUMA ejection & sorting chute, you can separate your good and bad parts even in the ejection chute of the injection moulding machine. Sorting takes place via a stainless steel sliding plate that can pneumatically change the sliding direction forwards or backwards. If the valve receives a 24 V signal from the injection moulding machine, the sorting chute switches over and the reject parts slide to the other side. If the signal drops, the sorting chute swings back to its initial position.

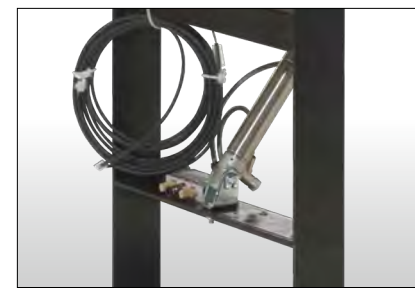


Technical data

Signal type	24 VDC
Pneumatically pressure	6 bar
Höhe	any
Breite	any
Länge	any
Min. angle of inclination	25°



Sorting chute.



Pneumatic swivel device.



Turning mechanism.

COMPONENT CHUTE – TYPE: TSR

The rough yet gentle one.

The SCHUMA TSR is used everywhere where parts are to be caught gently after being produced or processed. (e.g. during injection moulding of delicate parts or after polishing).

In addition, the mesh structure of the TSR prevents the discharge of oil or coolant from the processing machine to the greatest possible extent (liquids can penetrate through the mesh). The TSR is made of a wear resistant PET mesh and does not require maintenance. The dimensions of the frame can be up to approx. 800 x 800 mm and consists of aluminium hollow profiles. Versions with larger dimensions are made with a coated steel frame. The external dimensions are manufactured to the customer's requirements, so that, for example, the frame can be fastened in the injection moulding machine. Another variant is a frame with telescopic feet, this is then placed in the ejection chute of the machine. The inclined infeed is determined by the three-sided fastening on the frame.



Technical data

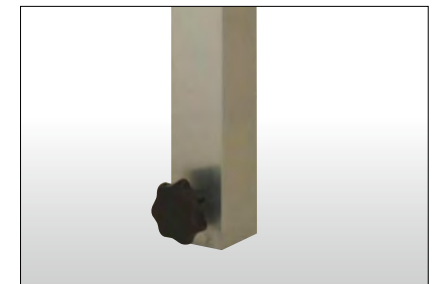
Frame material	aluminium / steel
Chute material	PET mesh
Height	any
Width	any
Length	any



Magnet holders.



Component chute without legs.



Adjustable telescopic legs.



DISTRIBUTION CHUTE – TYPE: VR

A slide in the right direction - with the SCHUMA distribution chute.

Compactness with high flexibility. The SCHUMA distribution chute provides this. The distribution chute is used for specific filling of cartons, containers or bags. Using the control system integrated into the distribution chute, a specific advancement can be made by counting the parts supplied or by setting a certain time. When counting, a communication exchange takes place between the production machine and the distribution chute. If a container has reached the predefined quantity, the distribution chute moves electromotively to the next container. The routes and stop positions are freely selectable using the control system.

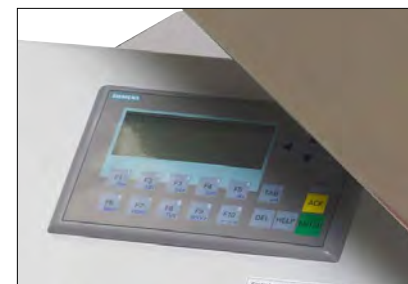


Technical data

Control system	S7-1200
Electrical connection	230V / 50Hz / 400V / 50Hz
Motor	Three-phase current geared motor
Stop positions	12
Socket	CEE / Schuko
Frame	Aluminium - groove profile
Angle of rotation	350°



Functional scheme of distribution chute.



Control unit.



Electronic drive unit with an additional socket for other periphery.

ROTARY TABLE – TYPE: DR

Autonomous work goes round and round!

Compactness with high capacity. The SCHUMA distribution chute provides these two things. The rotary table is used for automatic filling of cartons, containers or bags. The respective containers are filled using a SCHUMA conveyor. Using the control system integrated into the rotary table, a container change can take place by counting the parts supplied or by setting a certain time.

When counting, a communication exchange takes place between the production machine and rotary table. If a container has reached the predefined quantity, the rotary table moves electromotively to the next container. The route can be coded at the edge of the table using infinitely adjustable cams.

The rotary table can also be equipped with two levels where required. This doubles the capacity in individual cases.

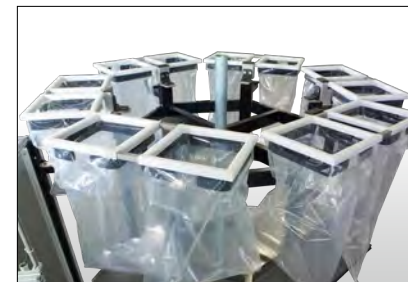


Technical data

Control system	S7-1200
Electrical connection	230V / 50Hz / 400V / 50Hz
Motor	Spiroplan geared motor
Speed	any
Socket	CEE / Schuko



Rotary table with levels.



Rotary table with bag holders.



Rotary table with distribution system.

BOX CIRCULATION SYSTEM

Filling in a circle - with the SCHUMA box circulation system.

The box circulation system provides an application in which access for infeed and removal of packages is only possible in one place.

The box circulation system automatically transports packages into a defined position, centres and removes them. For this, empty packages are inserted through the conveyor belt. At the end of the conveyor belt, the packages are separated, centre don demand and filled by the customers. After filling, the package is pushed to the removal roller track sideways and transported away to the removal position. Optionally, the roller track can be replaced by a conveyor belt. The length and width of the conveyor belt and the roller track can be chosen freely and adjusted precisely to your needs. The PLC control controls the box change process independently.

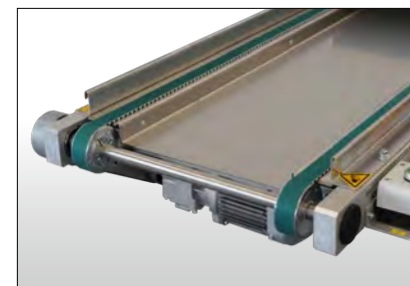


Technical data

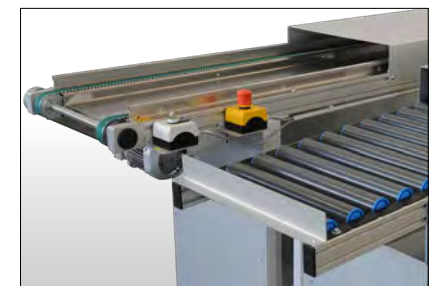
Control system	S7-1200 / Logo
Electrical connection	230V / 50Hz / 400V / 50Hz
Motor	Spur gear motor Worm gear drive motor Spiroplan geared motor
Belt	various
Plug	CEE / Schuko
Frame	aluminium - groove profile
Pneumatic pressure	6 bar



Filling position with package centring.



Toothed belt with mechanical position control.



Mechanical end stop.

BOX CHANGING CONVEYOR

Filling on a running conveyor - with the SCHUMA box changing conveyor.

Straight-line filling of containers, cartons or small load carriers. The SCHUMA box changing conveyor provides this. The box changing conveyor automatically supplies, fills and removes different containers. The length of the loading belt conveyor can be chosen freely depending on the container requirements. Removal can be performed using the same conveyor belt, a separate conveyor belt or a subsequent outfeed roller conveyor. The box changing process is controlled automatically by a control system integrated into the conveyor. The signal for changing a box is sent from the customer's machine.

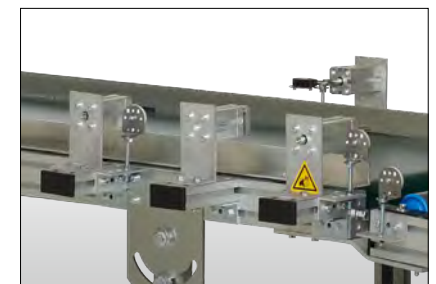


Technical data

Control system	S7-1200 / Logo
Electrical connection	230V / 50Hz / 400V / 50Hz
Motor	Spur gear motor Worm gear drive motor Spiroplan geared motor
Belt	various
Plug	CEE / Schuko
Frame	aluminium - groove profile
Pneumatic pressure	6 bar



Stop position and centring.

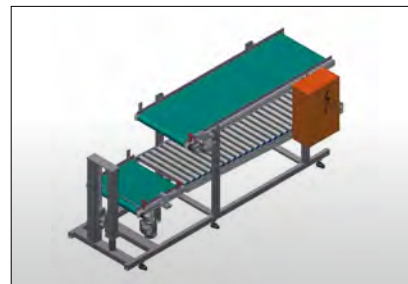
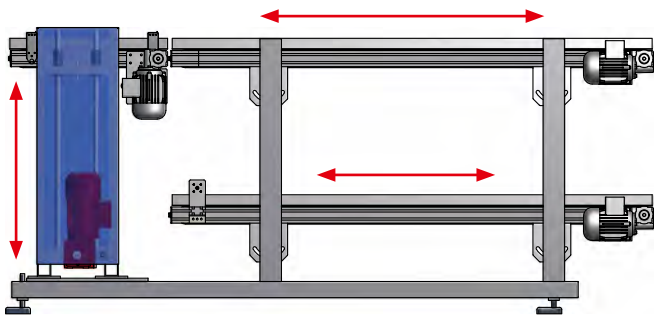


Stopper unit and jamming.

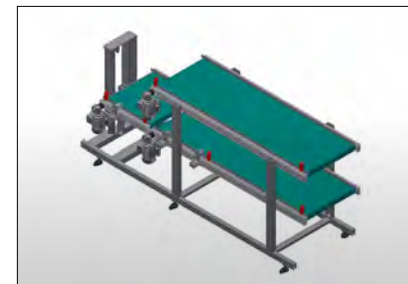
MULTI-LEVEL SYSTEM

Up and down it goes with the SCHUMA multi-level system.

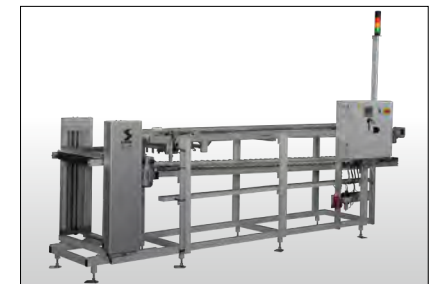
Supplying, filling and buffering of containers, cartons or small load carriers in a small space. The SCHUMA multi-level system provides this. The multi-level system automatically supplies and fills different containers on one level. And in the next step, containers are conveyed to the second level by a lift and then removed. The length of the loading and unloading conveyor can be freely selected depending on the container requirements. Unloading can be performed using a conveyor or an outfeed roller conveyor. The box changing process is controlled automatically by a control system integrated into the conveyor. The signal for changing a box is sent from the customer's machine. Using a pneumatic centring system, the container is precisely positioned in the filling position allowing for precise filling by the customer's handling system.



Multi level system with pneumatic lift and buffering roller conveyor.



Multi level system with pneumatic lift and buffering conveyor.

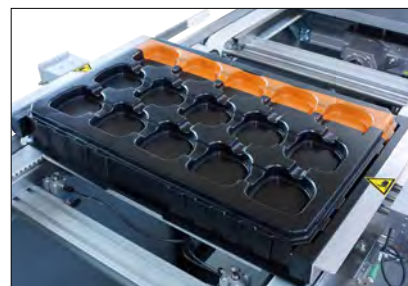
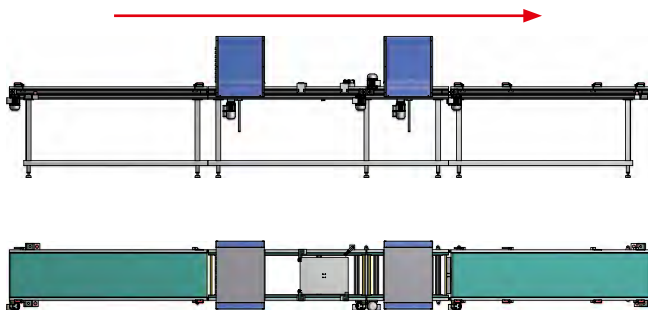


Multi level system with electric centering station.

MULTI-STACKING SYSTEM - TYPE: TraSSy-Z/L/H/A

Straight-line precision.

With the TraSSy SCHUMA tray stacking system, you can automatically supply, unstack/stack, fill and remove the most varied containers in the smallest spaces. The system TraSSy Z/L/H/A is set up as a linear system. Thanks to the modular design, the system can be adapted precisely to the customer's needs. With its own control system, the TraSSy system can be adapted and operated according to the particular container in the process. The customer only needs to provide a potential-free contact.



Filling position with centring.



Linear conveyor section with stacker.

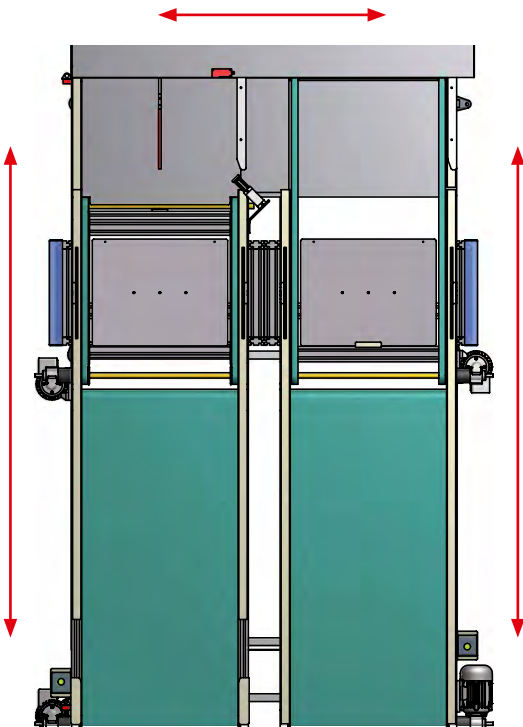


Control unit.

MULTI-STACKING SYSTEM - TYPE: TraSSy-Z/L/U/H/A

All-round good timing.

With the TraSSy SCHUMA tray stacking system, stacks of containers can be unstacked, filled and stacked up again automatically. The TraSSy-Z/L/U/H/A system is set up as circulating equipment? Thanks to the modular design, the system can be adapted precisely to the customer's needs. With its own control system, the TraSSy system can be adapted and operated precisely to the specific container in the process. The customer only needs to provide a potential-free contact.



Overthrust unit.



Filling position with pneumatic centering station.

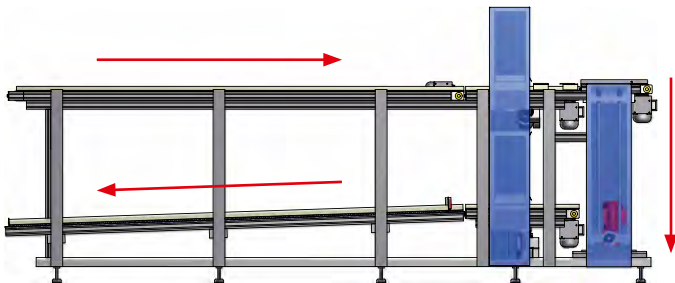


Rotatable control panel.

MULTI-STACKING SYSTEM - TYPE: TraSSy-level

Conveyed up high and stacked deep.

With the TraSSy SCHUMA tray stacking system, the most varied of containers in the smallest spaces can be supplied, unstacked and stacked up, filled and removed automatically. The system TraSSy level is set up as a linear system. Thanks to the modular design, the system can be adapted precisely to the customer's needs. With its own control system, the TraSSy system can be adapted and operated precisely to the particular container in the process. The customer only needs to provide a potential-free contact.



Discharge roller conveyor.



Control cabinet.

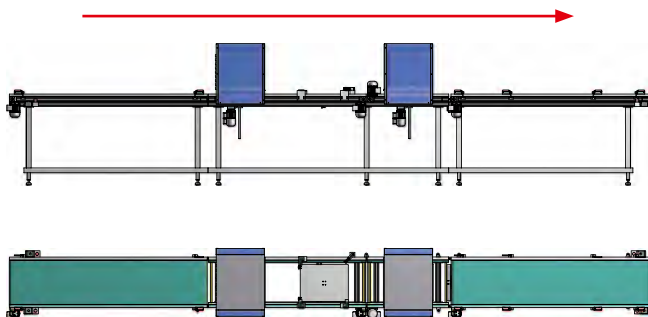


Integrated stacking unit.

MULTI-STACKING SYSTEM - TYPE: BoSS-L/H

The tried and tested and untiring stacker for all heights and depths.

With the SCHUMA box stacking system type: BoSS-L/H, containers in the smallest spaces can be unstacked, filled and stacked up again automatically. Stackable containers are assigned as an empty pile, unstacked and moved into the filling position. After being filled, the containers are stacked again in the stacker. The BoSS-L/H with a loading belt conveyor (BoSS-Z) and a unloading conveyor belt (BoSS-A) can be expanded if necessary. This makes a higher capacity possible by providing several empty stacks as well as the buffering of filled stacks.



PC-cover for clean room applications.



Control cabinet.

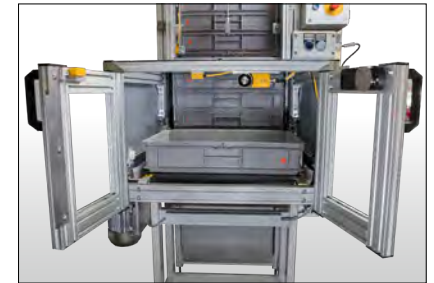
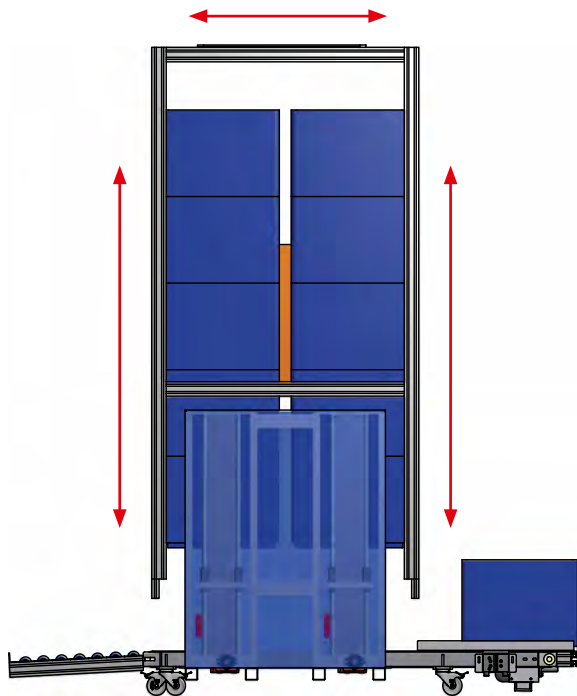


Integrated rollers for easy movement.

MULTI-STACKING SYSTEM - TYPE: BoSS-C

Way up high and all round in a compact format.

The box stacking system BoSS-C is used for automatic filling, provision and buffering of containers in the smallest spaces. You fill the BoSS-C with empty containers. These are conveyed individually one after the other onto the filling conveyor and filled. After being filled, the filled containers are picked up and buffered. An optimum use of space is achieved using the upper overthrust. The BoSS-C comes in a BoSS-C All-round version for different containers or containers that are not stackable. With this variant, the containers provided by the customer, are placed in the container carriers which are used for the stacking process.



Loading and unloading area.



Filling conveyor.



Translator.



CAR THROUGH-FLOW SYSTEM – TYPE: TraSSy-Z-LÜs-B-HÜs-A

The individual powerful through-flow helper that reaches its destination exactly using its strong arms.

The SCHUMA car through-flow system TraSSy Z-LÜs-B-HÜs-A is designed to channel different containers through the system without having to lift them. Here the stack of containers are automatically restacked individually by two lifting arms and supplied to the customer's handling system for part processing. A change in container is made by the customer's handling system after a pulse for the change is received.

The system is specially designed for customer-specific containers and transport trolleys as well as the local conditions.



Light barrier with muting.



Filling position with centring.



Handling area.

Technical data

Control system	S7-1200
Electrical connection	400V / 50Hz
Motor	Three-phase current geared motor
Frame	Aluminium groove profile / Welded steel

3-AXLE SPECIAL STACKING SYSTEM

We let your containers float in all three dimensions.

With the SCHUMA 3-axle special stacking systems, individual tasks can be accomplished like loading and unloading of different containers on pallets. The system concept can be individually adapted and expanded to your requirements. Thanks to its modular design, this system can be expanded by a detection system with buffer, a tipping out station, a container circulation system or a part supply in different versions. The system can also be realised with one or two pallet storing stations if needed. If this should not suffice, the system can be expanded with a SCHUMA roller conveyor or a SCHUMA chain conveyor.



Technical data

Control system	S7-1200 / S7-1500
Electrical connection	400V / 50Hz
Motor	Three-phase current geared / servomotor
Stop positions	Pallet storing stations
Socket	CEE / Schuko
Frame	Aluminium groove profile / Welded steel
Tipping out angle	130°



Display.



Flexible energy chain.



Compressed-air components.

TRAY STACKING SYSTEM - TYPE: TRASSY-E

The airless alternative.

The SCHUMA tray stacking system TraSSy-E can be used to realize a compressed air-free production. Thus, you can possibly reduce production costs while increasing flexibility. Often there is the desire to convey and stack different container sizes. With pneumatic components one is often limited to a certain size. Due to e.g. the not continuously adjustable strokes on cylinders, the conveying and stacking of different container sizes are not recommended. This function restriction can be corrected with a completely electrical tray-stacking system (container contour is crucial).



Technical data

Control system	S7-1200
Electrical connection	400V / 50Hz
Motor	Three-phase current geared motor
Frame	Aluminium groove profile / Welded steel



Control panel with HMI.



Electric centering unit.



Electric latch unit.

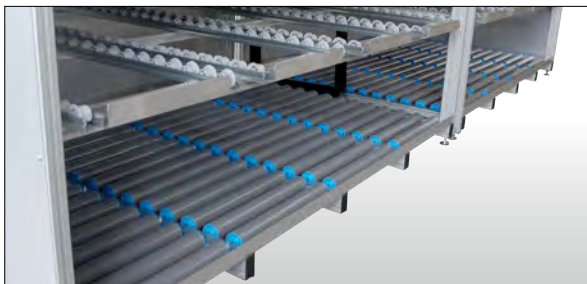
SPECIAL CONCEPTS



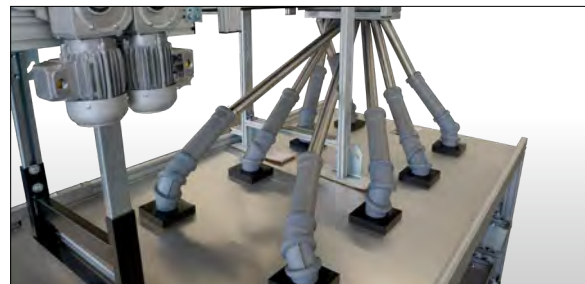
Box change belt with interim layer transfer.



Tray stacker with camera monitoring.



Buffer rack with roller track elements.



Tube distributor system.



Blower tunnel for cooling the load.



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