

ABOUT OUR COMPANY

The company, Ing. Siegmund Henning Anlagentechnik, was founded in 1996 by Siegmund Henning as an engineering office with added capabilities of commercial transactions. The present business as a limited company was established in 2000. Since 2000 Tom Henning lead the company's businesses' succeeding his father.

A new, well known product line of augers and components was added in 2003. There were 5 employees at that time. The success and growth of the enterprise led to the enlargement of the company's production at the new Ludwigslust location in the year 2009.

Today SHA has more than 5,000 m² production area in two locations and about 10,500 m² of additional warehouse space. The company has grown from 5 employees to 60 employees. SHA is very socially engaged. It is led by Tom Henning who is an active and contributing member in the economic advice MV, vice president of the north enterpriser's association IHK committee „Industry, technology and environment“, president of the German Powder and Bulk Association as well as member in the federal logistics association.



PRODUCTION & QUALITY

Our production in Ludwigslust is equipped with a modern and comprehensive fleet of machines. This includes:

- 3D laser processing centre Trumpf TruLaserCell 7040, 5 kW, CO₂
- edge processing centre Trumpf TruBend 5230, 4 m, 230 t
- lathe processing centre Mori Seiki NLX2500SY/700
- vertical processing centre DMG MORI ecoMill 1100V
- automatic saw KASTOwin A3.3.
- Donau drilling centre fast radial drill DR 40 Digi
- a large painting area 15 m x 6 m x 6 m (L x W x H) - expandable

Since 2005, SHA has offered screw conveyors featuring the approved construction design per ATEX 94/9/EG (II 1 / 2 D c 150°C ; II 1 / 3 D c 150°C; II 1 / - D c 150°C) in Category 1 for trough screw conveyors (NW 100-600) and pipe screw conveyors (DN 60 to 508), making it one of the first companies to address this need. Furthermore, we are certified in accordance with the quality assurance system DIN EN 9001:2015 and per ATEX 2014/34/EU. We are also one of 8 companies in the state of Mecklenburg West-Pomerania that has been certified in accordance with the IPPC Standard and the German Plant Inspection Ordinance.

central administration & sales / postal address

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BRILLIANT SOLUTIONS

Our product range of screw conveyors
and system components



SCREW CONVEYORS | SILOS | rotary valves | mixers
filters | shut-off devices | silo components
www.sha-germany.de



SCREW CONVEYOR RANGE

discharge screw
dosing screw
fine dosing screw
screw conveyor
filter clearing screw



discharge screw

for discharging bulk goods from silos and containers, designed as a pipe and trough screw auger
Materials: Normal steel, various stainless steels, wear-resistant steels
Sizes: up to diameter 600 mm
comprehensive options available



dosing screw

For discharging, transporting and dosing bulk goods with a high degree of repeatability of between +/-50 g and +/-250 g
Version as pipe and trough screw augers
Materials: Normal steel, various stainless steels, wear-resistant steels
Sizes: up to diameter 500 mm
comprehensive options available



fine dosing screw

for precise, repeatable dosing of bulk goods with a tolerance of between +/-5 g and +/-50 g
version as pipe and trough screw auger
material: normal steel, various stainless steels
sizes: 30 to 125 mm
comprehensive options package available



screw conveyor

for transporting bulk goods after dosed feeding
version as a pipe and trough screw auger
materials: Normal steel, various stainless steels, wear-resistant steels
sizes: up to diameter 1,000 mm
comprehensive options package available



filter clearing screw

for the collective discharge of filter dust beneath large de-dusting systems
version as V-trough screw auger
materials: Normal steel, various stainless steels, wear-resistant steels
sizes: up to diameter 500 mm
comprehensive options package available

PROCESSING OPTIONS

ATEX
screws for food processing
screw discharge activators
coreless spiral conveyors
wear protection & insulation



screws with ATEX certification

Certified by EXAM BBG Prüf- und Zertifizier GmbH (DEKRA Exam GmbH) in accordance with directive 2014/34/EC, new 2014/34/EU.

II 1 / 2 D Ex h III (A/B/C) T 150 °C Da/ Db
II 1 / 3 D Ex h III (A/B/C) T 150 °C Da/ Dc
II 1 / - D Ex h III (A/B/C) T 150 °C Da/ -



screws for applications in the food sector

particularly well suited for the food industry with high demands, high quality processing, comply with the special hygiene and durability requirements, version on request as a pipe or trough screw auger in all available sizes, high quality stainless steel

comprehensive options package available, e.g. extending worm shaft with rail system



screw discharge activators

due to the modular construction, the number of discharge worm shafts can be arbitrarily increased, collecting screw (optional), version in normal steel, temperature-resistant steel, wear-resistant steel or stainless steel, through SHA expertise almost completely regular discharge is achieved, different drive constellations can be realised, inter-meshing screws are possible



coreless spiral conveyor

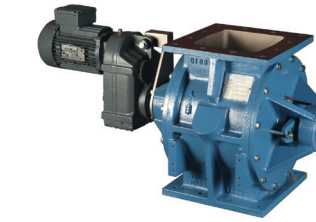
plastic cladding or replaceable wear strips for improving sliding characteristics or as wear protection, version (material) in normal steel, high quality stainless steel, wear-resistant steels
from Ø 100 mm to Ø 700 mm, up to a length of 20 m



wear protection / insulation

wear protection through HARDOX and Creusabro or other surface-tempered steels, base blade with surface-layer welding, full-surface layer welded screw blade (with different surface hardnesses), fillet brazed or combination of fillet brazed and innovative ceramic coating, INSULATION in particular with high temperature applications and extreme temperatures, insulation through mineral wool with zinc sheet housing, alternatively insulation with special plastics, on request installation of trace heating

COMPONENTS



rotary valves

sizes: 150 - 600 mm
delivery volume per revolution: 4.5-250 litres
differential pressure: 0.1 bar to 1.0 bar
housing material: Grey cast iron / stainless steel
rotor material: normal steel, stainless steel, various rotor blade coatings, ATEX approval up to zone 20 inside, explosion-proof up to 10 bar, comprehensive options available, e.g. flame-proof



de-dusting filters

filter media: cartridges or tubes filter surfaces: 0.9 – 57 m² with tube filters, 2.0 – 72 m² with cartridge filters
optional: aspiration nozzles, fans, pressure differential control, ATEX versions, pressure-resistant, comprehensive accessories such as hoppers, dust collection devices, bag emptying, weld-on frames, and much more besides



butterfly valves

sizes: 100 - 400 mm, single flange / double flange version, differential pressure up to 0.2 bar, temperature range: -25 to 230°C
material: flap plate cast aluminium /stainless steel / wear-resistant steel
actuation: manual lever, electro-pneumatic, electromotive



flat slide valves

sizes: 150 - 1,000 mm, differential pressure up to 0.6 bar, temperature range: up to 500°C
material: Normal steel, stainless steel, slide plate material: normal steel / stainless steel / HARDOX
actuation: hand wheel, sprocket, electro-pneumatic, electromotive



double pendulum flaps

sizes: 250 - 500 mm
delivery volume per cycle: 8-48 litres
differential pressure up to 0.1 bar
temperature range up to 900°C ATEX version possible



silos accessories

product range comprising:
- pinch valves
- pressure detectors
- rotating blade detectors
- electrical overfill protection control
- Ex-Impl-Valves
- air dispersal systems
- level measuring technology
- injection elbows
- silo manholes

rotary valves
de-dusting filters
rotary flaps
flat slide valves
silos accessories
double dump valves
mixers

mixers

Versions:
lab mixers, continuous mixers, batch mixers,
mixing tools:
- paddle mixing tools
- ploughshare-type mixing tools
- ribbon blenders
Materials:
- normal steel, various stainless steels,
wear-resistant steels
comprehensive options available

