SCHOLPP

Worldwide Industrial Installation

# INSIGHTS

Reference Magazine 2019


## Installed just in time

- **Turnkey solutions for the complete installation of chemical plants**

## As if by magic

- **Printing machine installation with intelligent solutions**

## Baked-in success

- **Complete service management for machine manufacturers**

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Editorial

# Investing in expertise

What comes to mind first when you hear the name SCHOLPP? Red cars, large cranes, heavy loads and global construction sites? All of these are correct. But there is a lot more behind the name SCHOLPP. We move out fast like the fire department; we are quick and well prepared for when you need us. We always have all the tools and equipment at hand so that we can react flexibly on site. And that isn't just because our vehicles are red.

SCHOLPP doesn't only move entire factories; our day-to-day work also includes a classic car or individual machines. And we don't just work internationally – we are also happy to operate in the immediate vicinity of our 16 locations throughout Germany. Many of our long-standing loyal customers value this closeness. The second edition of SCHOLPP INSIGHTS once again brings together a representative sample of our new installation and relocation projects in a number of core industries: the automotive industry, plastics industry, mechanical engineering, the pharmaceutical industry and forming technology. Exactly as you have come to expect from us: diversity all down the line.

This selection was handpicked not only to give you an overview of our services for mid-sized and large businesses, but also to show you solutions for specific requirements of an industry in a state of dynamic transformation. The work of industrial service providers like SCHOLPP always reflects current developments in industries and markets. And just as our customers change, SCHOLPP is also heading into the future.

To this end, the new SCHOLPP Academy was officially opened in Erfurt not long ago. With an investment of around half a million euros, we have created the institutional basis for innovative in-house training programs. As a location, Erfurt stands out due to its centrality in our network of sites and its function as a technology center. Under the banner of "Topics. Technology. Teamwork." we aim to further strengthen our competitiveness by training our employees in the regional, national and international installation business. For us, cutting-edge knowledge is the first step in setting new quality standards for the handling of installation equipment and safety technology in the industry. We see training as a strategic business issue.

Our customers want a partner who is always up to date, who offers high quality and safety standards and, by doing so, has systems in place to prevent damage. The increasing complexity of technologies has resulted in increased demands in relocation, installation and industrial services projects. This is why we are renewing our promise of quality with the SCHOLPP Academy through timely training and more responsibility.

Wherever you want to take your business in the coming years, put your trust in our expertise.

Lars Gerlach & Steffen Kühn,
Managing Directors

***Lars Gerlach***

***Steffen Kühn***

CAC – Chemieanlagenbau Chemnitz GmbH

# Just-in-time installation of a large-scale plant

Turnkey solutions for the complete installation process: Ciech Soda Deutschland GmbH & Co. KG had plans to install a plant for the production of sodium bicarbonate in Staßfurt, Saxony-Anhalt. The base chemical is used in sectors such as the pharmaceutical industry. The planning office responsible for the plant to be handed over in turnkey condition was CAC – Chemieanlagenbau Chemnitz GmbH, an internationally established plant manufacturer. SCHOLPP supported the just-in-time installation of the machinery, tanks and piping.

**Coordinating a complex installation schedule**

The team installed the plant for the cooling crystallization of sodium bicarbonate in the vicinity of a sodium bicarbonate plant and an operational processing plant, meaning tight space constraints in the installation environment were imposed from the outset. The SCHOLPP planning engineers had already devised several options during the bid stage for how the components could be brought in.

The process also needed to factor in working at the same time as other trades and take into account all the delivery timescales. This meant that any delays in the supply of equipment presented further challenges for the SCHOLPP team. In addition, they had to coordinate the complex installation schedule with the customer and the engineering office.

**Comprehensive technical planning**

Some components were true heavyweights, such as the heat exchanger crystallizer (60 metric tons), the crystallizer (16 metric tons) and four large tanks (6.5 to 15.5 metric tons), which needed to be lifted into the steel scaffolding just in time. The crane positioning had to be planned with precision taking into account the tight space constraints and pipe bridges.

**Customer:**
CAC – Chemieanlagenbau Chemnitz GmbH, Germany

**Task:**
Install a plant for the cooling crystallization of sodium bicarbonate products

**Location:**
Staßfurt/Saxony-Anhalt, Germany

**Special equipment:**
500-metric-ton Terex AC 500 crane with 24-meter luffing fly jib for lifting heavy loads into steel structures measuring up to 15 meters high

**Information:**
anlagenbau@scholpp.de



The SCHOLPP engineers drew up detailed crane lifting studies. A Terex AC 500, supplied by SCHOLPP Kran & Transport GmbH, was used for this project as it had the mast and luffing fly jib lengths for the spatial constraints. The schedule had to take into account assembly on a public holiday and the conversion of the main boom into a luffing fly jib.

Preparatory work included excavating the track bed of the plant railway with wood and crane mats. The track was used as a crossing for the crane and as a support for the outriggers so that the plant could continue operating uninterrupted.

**Equipment assembly as part of plant construction**

The first step in assembling the equipment was to unload the transportation vehicle, in some instances the intermediate transports, and to store the equipment temporarily in a storage area. In the second step, the crane lifted the components into the supporting steel structure. In addition to the large machinery and tanks, SCHOLPP installed various agitators, filter candles and a crystallizer circulation pump. The team then proceeded with the millwrighting and alignment of the equipment according to the specified coordinates using a leveling instrument and theodolite. In the final construction phase, the installation team finished assembling the equipment so that the plant was in turnkey condition for commissioning.

## Some questions for:

**Maik Findeisen**
Site Manager at CAC – Chemieanlagenbau Chemnitz GmbH

***SCHOLPP: Mr. Findeisen, you were the site manager for the Ciech Soda project. Why did you decide to call upon a service provider for the installation of the plant?***
*Maik Findeisen: As an engineering company, we focus on our core business of developing and planning plants and supplying the equipment. We assign all installation work as a general principle. Our site management is the interface to the installation service provider.*

***What were the criteria that led you to award the contract to SCHOLPP?***
*Firstly, the SCHOLPP planners presented a good installation concept. And of course, secondly, the price/performance ratio for the whole package was very attractive. Thirdly, SCHOLPP was able to ensure a date for the deployment of the large crane.*

***In your view, what were the greatest challenges in assembling the plant?***
*The installation work took place during ongoing operation of the auxiliary plants. The customer Ciech Soda Deutschland insisted that the silo access for these plants and the truck weigh station remain accessible at all times. All of this needed to be taken into consideration in the installation plans.*

***How did the coordination between the plant manufacturer, the installation service provider and the customer work?***
*Firstly, there was good cooperation and communication between all the partners involved to develop a solid concept, which was then jointly implemented in the project on a 1:1 basis.*

***What was your personal highlight in this project?***
*The highlight in a complex heavy installation of this kind is the fact that not only are the installation objectives met, but that every employee leaves the site in good health at the end of the day. I would like to thank all of those from SCHOLPP who were involved for this once again. HSE,* our safety standards for health, safety and the environment, was not only accepted but also practiced on the construction site.*

***What was your experience of working together with the SCHOLPP team?***
*The SCHOLPP team operated flexibly with the end goal in mind, and they were also pleasant as people.*

** HSE – Health, Safety and Environment.*

**Customer:**
Uhlmann Pac-Systeme GmbH & Co. KG, Laupheim, Germany

**Task:**
Transport two packaging machines and bring in and position in the cleanroom under very tight space constraints

**Location:**
Freiburg/Breisgau, Germany

**Special equipment:**
Robot 20 trolley for navigating loads in sensitive areas

**Information:**
industrie@scholpp.de

**Uhlmann Pac-Systeme GmbH & Co. KG: Machinery transport into the cleanroom**

# A clean solution for medical technology

As part of a regional machinery transport project, SCHOLPP delivered two packaging machines to the pharmaceutical company Pfizer Manufacturing Deutschland GmbH in Freiburg/Breisgau. The customer was the machine manufacturer Uhlmann Pac-Systeme GmbH & Co. KG from Laupheim in Baden-Württemberg. The two machines were brought into the cleanroom production at Pfizer in minimal time.

On the transport list were a cartoning machine and a blister packaging machine, which are used to manufacture foil or aluminum packaging for tablets or capsules. These are packaged in the cartons along with the package insert. On the first day, SCHOLPP transported the machines from Laupheim to Freiburg. On the second day, the five-man-strong team positioned a crane to be used for unloading the machines.

**Machinery transport for the pharmaceutical industry**

The machines were then brought into the cleanroom production facility. During this task, the team had to follow the safety standards stipulated in Pfizer's cleanroom protocol. The plant building provided only a small area for maneuvering.

The installation manager had measured the plant hall precisely prior to the move-in. Based on these calculations, a Robot 20 specialized trolley was selected for internal transport as it ensures optimum maneuvering ability in confined spaces. The installation manager, a senior fitter and three skilled installers brought the machines to their destination right on schedule.




**Staatliches Hofbräuhaus München: Transporting tank containers**

# The art of maneuvering in a historic inn

The Staatliches Hofbräuhaus in Munich, a brewery owned by the State of Bavaria, is one of the gastronomic world's most famous addresses in Germany. Every year, thousands of visitors come here from all over the world to attend events and enjoy Bavarian beer. Catering for so many guests requires a fair amount of technical equipment. Of all the service providers approached, SCHOLPP was the only one to find a technical solution for bringing in the new tank containers.

The agenda included unloading and bringing four new tank containers into the cellars of the historic inn. With a storage capacity of 12,000 liters, the transport required a great deal of skill. The space for maneuvering was tight: a narrow entry point into the building, a drop down into the winding cellar and on-site transport through narrow and low passageways. The tank containers, weighing up to two metric tons, had to be handled with the corresponding level of precision. Extensive experience in container transport, a highly maneuverable telescopic forklift and a powerful lifting gantry with chain hoists formed the technical-logistic trio that successfully completed this project. All four tank containers were brought in and positioned with precision within five days.

**Customer:**
Staatliches Hofbräuhaus München, Germany

**Task:**
Unload and bring in four tank containers with a storage capacity of 12,000 liters

**Location:**
Munich, Germany

**Special equipment:**
Compact TG 120 hydraulic lifting gantry for precise positioning in narrow spaces

**Information:**
food@scholpp.de

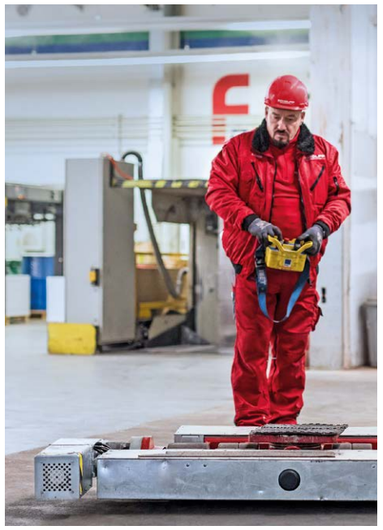
**Customer:**
Heidelberger Druckmaschinen AG, Wiesloch/Baden-Württemberg, Germany

**Task:**
Unload, bring in and position a sheet-fed offset printing press; transport on-site via a steep and narrow access route

**Location:**
Plauen/Saxony, Germany

**Special equipment:**
40-metric-ton specialized robotic trolley for safely and autonomously moving loads of up to 40 metric tons

**Information:**
print@scholpp.de



**Heidelberger Druckmaschinen AG: Machine installation**

# As if by magic

It's important to keep pace in a dynamic market like the printing industry. And even after more than 40 years' experience moving and installing printing machines, there is still always a need to find new solutions, as was the case with bringing in a Speedmaster for Heidelberger Druckmaschinen AG at SachsenDruck in Plauen.

The machines in the Speedmaster line are used for large-format commercial and packaging printing. These systems are delivered by the manufacturer as individual components and are only assembled once on site at the final destination.

For the Speedmaster XL 145, the SCHOLPP installers had several components on the transport list: a feeder, printing units, a coating unit and a sheet delivery unit, all measuring an imposing 24 meters in length, six meters in width and four meters in height and weighing a total of nearly 170 metric tons.

**Steep and narrow access route**

The team unloaded the components using a truck-mounted crane and brought them in with a 40-metric-ton machine transport cart and a self-propelled Robot 40 transport system. This system, especially engineered for the internal transport of heavy loads, is able to move up to 40 metric tons autonomously and can even turn on the spot while loaded. A four-post hydraulic lifting gantry was used for positioning and installation.

Due to the conditions on site, the project presented its fair share of challenges: a narrow access road, a steep workshop approach and an entry point to the workshop with a low canopy. Handling the large individual weights of over 30 metric tons therefore required the utmost care.

The Speedmaster XL 145 was brought in and positioned with precision ready for the final installation steps and commissioning in just under two weeks.


***A key technology puts us in an absolutely unique position for machinery installation: the SCHOLPP specialized lifting gantries in various sizes, models and versions.***

bks Rabe GmbH, Chemnitz: Bringing in a payment machine

# A tricky day's work

bks Rabe GmbH in Chemnitz is a company specializing in supplying payment systems developed by its partner company. For many years, the company has trusted SCHOLPP with its transport and installation tasks. This time, a payment machine needed to be brought into a vehicle registration office of the district administration in Mühlhausen, Thuringia. The only viable entry point was a window.

The SCHOLPP team's first task was to pick up the MaxiPay payment machine from bks Rabe in Chemnitz and transport it by truck to Mühlhausen. At first sight, bringing in the machine, weighing 1.5 metric tons and measuring 1.9 meters high, seemed straightforward. But as the space limitations came into play, the demands increased.

**A small window of opportunity**

The payment machine could only be brought in through a window, as the entrance and the stairwell were too narrow. First, the machine had to be tipped into a horizontal position in order to maneuver it through the window. Even now, there was little room for error for the forklift driver. Only once it was in the counter hall could the machine be returned to its normal upright position. To do this, the installers used an aluminum gantry that was small but able to bear a large load.

SCHOLPP has many years of experience bringing in and removing similar payment systems in narrow administrative, commercial and bank buildings.

The usually very tight space constraints at building openings or within the buildings mean that special move-in solutions are called for. SCHOLPP has a large range of technology at its disposal, including flexible loading-crane arms and aluminum gantries with high load capacities, as well as an experienced installation team.

**Customer:**
bks Rabe GmbH,
Chemnitz/Saxony, Germany

**Task:**
Bring in a payment machine through a window on the first floor

**Location:**
Mühlhausen/Thuringia, Germany

**Special equipment:**
Low-weight aluminum gantry with a high load capacity of up to 9 metric tons for transport in sensitive areas with low floor load capacity

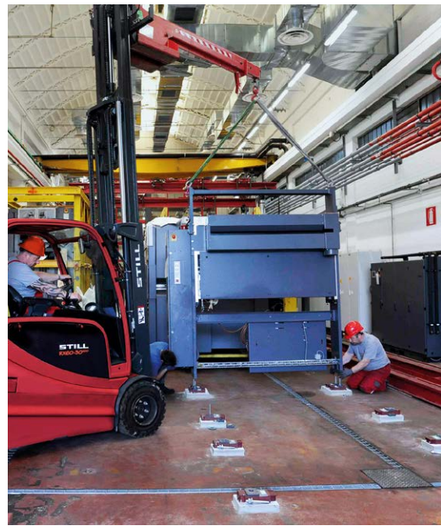
**Information:**
industrie@scholpp.de



manroland Goss web systems GmbH, Augsburg: Web-offset printing machine

# Printing machine installed in Italy

For decades, SCHOLPP has been a partner of the printing machine industry for the complete installation of printing machines. SCHOLPP worked to bring in and install a new LITHOMAN web-offset machine in Italy for a leading manufacturer from Augsburg. The new machine is now in operation in the printshop ROTOLITO Lombarda in Cernusco sul Naviglio, located near Milan.



manroland Goss is a global leader in the web-offset printing segment. The machines from Augsburg are used in newspaper, publishing and advertising printing. ROTOLITO, one of the leading printing companies in Italy, had purchased a LITHOMAN press.

**Installation in large components**

SCHOLPP's expertise is founded on its ability to bring in printing machines in large components. This saves time and makes the installation process extremely efficient. The LITHOMAN included four printing units (28 metric tons apiece), a drier (23 metric tons), a two-piece folder (26.5 and 21.6 metric tons) and a reel splicer (10 metric tons).

A 1.3-meter height difference between the unloading point and the workshop level presented one of the biggest hurdles when bringing in the parts. In addition, there were only three meters of space in front of the workshop's entry point for unloading. With components measuring up to 15 meters in length, the crane's pivot range was relatively small. Once the parts had been transported internally within the workshop using machinery carts and a forklift, they were positioned using a four-post hydraulic lifting gantry.

After installation was completed on schedule, the SCHOLPP installers handed over the printing machine in a finely adjusted condition to the manroland Goss team for commissioning.

**Customer:**
manroland Goss web systems GmbH,
Augsburg/Bavaria, Germany

**Task:**
Bring in and completely install a web-offset printing machine; overcome a height difference between the unloading point and workshop

**Location:**
Cernusco sul Naviglio,
near Milan, Italy

**Special equipment:**
TG 180 four-post lifting gantry for precise movement and positioning of heavy loads under tight space constraints

**Information:**
print@scholpp.de

thyssenkrupp Materials Poland S.A.: Machinery transport

# Installation in Poland

The international thyssenkrupp group operates a steel service center in the industrial city of Dąbrowa Górnicza, near Katowice, Poland. thyssenkrupp Materials Poland S.A. commissioned SCHOLPP to transport machinery. The task was to bring a new straightening machine into the production hall and position it.

**Customer:**
thyssenkrupp Materials Poland S.A., Dąbrowa Górnicza, near Katowice, Poland

**Task:**
Transport machinery within the works, including bringing in, on-site transport and positioning of a straightening machine; tight space constraints during positioning using machine transport carts and a lifting gantry

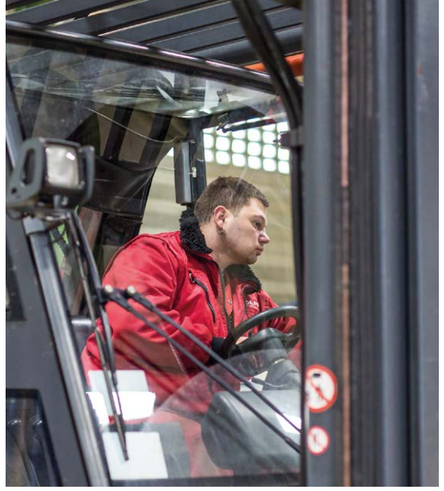
**Location:**
Dąbrowa Górnicza near Katowice, Poland

**Special equipment:**
Machine transport carts with 60-metric-ton load capacity and reverse-motion axle steering for easy handling of heavy loads within the production area

**Information:**
industrie@scholpp.de

**Largest steel center in Eastern Europe**
The factory in Dąbrowa Górnicza is around 75,000 m², making it thyssenkrupp's largest steel, logistics and service center in Eastern Europe. From here, customers in Poland, the Czech Republic, Slovakia and Ukraine are supplied with flat steel products. The company's customers include automobile manufacturers, automotive suppliers and press shops, as well as manufacturers and suppliers of household appliances. The machinery to be transported for this job included a straightening machine weighing 55 metric tons and measuring 6.0 x 3.0 x 3.5 meters. The machine is manufactured by KOHLER Maschinenbau GmbH, a company based in Lahr, Baden-Württemberg, which has over 50 years' experience in straightening technology for the sheet metal processing industry. KOHLER delivered the new machine, and SCHOLPP took it over at the factory entrance. The machine was driven into the workshop on a truck, where it was directly unloaded by the TG 320 lifting gantry. Once the truck had left, the machine was placed on a 60-metric-ton machine transport cart. The cart was maneuvered through the factory using a heavy-duty forklift. While this was taking place, the SCHOLPP team dismantled the lifting gantry and reassembled it at the planned machine location. The team then carried out the final positioning of the machine. SCHOLPP was able to hand over the machine to the customer on schedule for production and complete the project within just four days.





pro-beam systems GmbH: Bringing in a vacuum chamber

# A heavyweight touches down safely

Based in Neukirchen in the Erzgebirge region, pro-beam systems GmbH is a mid-sized manufacturer of special machinery and plant. The company operates worldwide and produces plant for electron beam welding and laser welding applications. These plants are used in the aerospace industry, for instance in the manufacture of components for the European space rocket Ariane 5. A vacuum chamber weighing 42 metric tons for use in welding work needed to be brought in – a home game for the SCHOLPP team at the nearby Chemnitz branch.

**Customer:**
pro-beam systems GmbH, Neukirchen, Erzgebirge region, Germany

**Task:**
Transport, unload and bring in a vacuum chamber (42 metric tons) and transport on-site; high loads required measures to distribute the load on the ground

**Location:**
Neukirchen/Erzgebirge region, Saxony, Germany

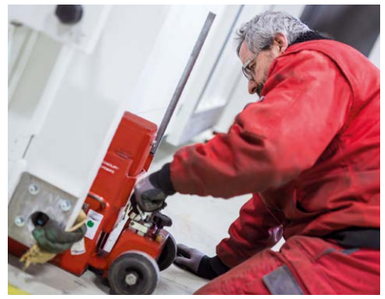
**Special equipment:**
Heavy-duty trolleys on steel sheets for improved load distribution for particularly high weights

**Information:**
industrie@scholpp.de

**High weight, complex requirements**
The task for the SCHOLPP team was to bring in a vacuum chamber. The plant, measuring 4.0 x 2.6 x 2.9 meters, was delivered by truck to Neukirchen. While the dimensions are very compact, a total weight of 42 metric tons still placed high demands on the installation team. Choosing the right sling gear, secure load distribution, gentle crane operation, the load capacity of the factory floor, the size of the door opening, bottlenecks on the routes in the hall – the SCHOLPP installation team needed to keep all this in mind and much more.

First, the vacuum chamber was lifted off the truck by a mobile crane (130 metric tons). The chamber was to be brought in through the entrance to the factory on level ground. Heavy-duty trolleys and a forklift were used for this task. But first the ground and the transport path needed to be suitably prepared with steel sheets. This allowed the height difference to be overcome more easily and the loads to be better distributed. The SCHOLPP installers brought the plant safely into its planned location in the factory.

**International partnership**
SCHOLPP can look back on many years of working with pro-beam in Germany, France, the UK and the USA. It has moved even very large vacuum chamber plants that tip the scales at up to 90 metric tons. Heavy lifting and installation technology was employed for these tasks, such as special hydraulic lifting gantries, or special solutions were developed as none of the technology on the market was suitable for the move-in conditions.



LINDER GmbH: Relocating machinery

# Production lines converted

LINDER GmbH from Buchholz in der Nordheide specializes in diverse packaging systems for securing cargo. From its base in Lower Saxony, the company manufactures strapping, strapping tools and strapping machines. Its production line needed converting, so SCHOLPP was commissioned to relocate the machinery within the works.

**Customer:**
LINDER GmbH,
Buchholz/Lower Saxony, Germany

**Task:**
Dismantle, relocate and reinstall production lines for the packaging industry, including millwrighting and aligning

**Location:**
Buchholz/Lower Saxony, Germany

**Special equipment:**
Electronically operated forklifts with white tires for environmentally friendly and emission-free works-internal transport

**Information:**
industrie@scholpp.de

The two companies have been working together successfully since 2015, and the packaging specialists have called upon SCHOLPP's installation and transport expertise to move machines and manufacturing equipment within the works several times in the past. The one-week project began with the dismantling of two webbing lines, a hot-melt line and two bending machines. The production technology was loaded and prepared for transport to Istanbul.

**Electrical and mechanical installation**

Once room had been made, the SCHOLPP team relocated three hot-melt production lines within the plant. Several machines weighing up to four metric tons needed to be moved to achieve this. The scope of services for the project included the complete electrical and mechanical dismantling and reinstallation, transport within the works using heavy-duty rollers and electric forklifts as well as millwrighting and aligning the plants.

This last item on the agenda was the most challenging task in the project as it called for absolute precision. The LINDER production plant was ready for recommissioning exactly on the requested deadline.



Horn & Bauer GmbH & Co. KG: Relocation for the plastics industry

# 80-metric-ton extrusion system takes a trip

SCHOLPP has many years of experience and expertise with systems used in the plastics industry. The company Horn & Bauer commissioned the SCHOLPP team to dismantle and relocate a 7-layer co-extrusion system. Founded in 1924, the mid-sized family company from Schwalmstadt is now a leading specialist in the production and finishing of plastic films.

**Customer:**
Horn & Bauer GmbH & Co. KG,
Schwalmstadt, Hesse, Germany

**Task:**
Dismantle and relocate a system for manufacturing plastic film (7-layer co-extrusion system); install in a narrow workshop using a truck-mounted crane

**From:**
Boitzenburg/Brandenburg, Germany

**To:**
Wolfsberg, Thuringian forest, Germany

**Special equipment:**
200-metric-ton truck-mounted crane for installing plant in an existing steel construction

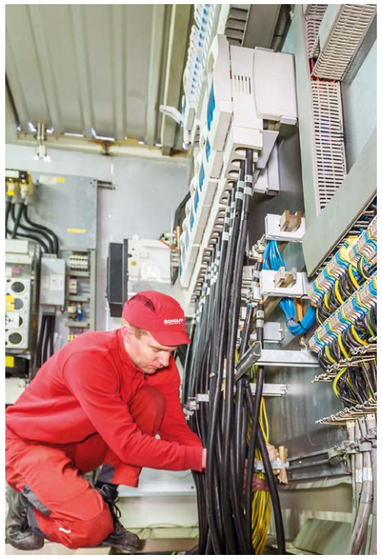
**Information:**
kunststoff@scholpp.de

Its complex blown film line, consisting of several components, was surrounded by a steel construction that carried all the associated plant components: extruder, collapser, haul-off and winder. The size of the steel tower was impressive, measuring 16 meters long, eight meters wide and 16 meters high. The total weight was approximately 80 metric tons.

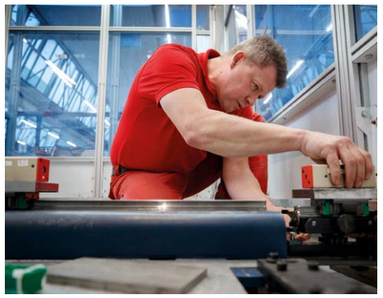
The extrusion system was dismantled and loaded in Boitzenburg, Brandenburg. Twelve trucks and three lowloaders handled the transport. The destination was the Horn & Bauer facility in Wolfsberg, located about 470 kilometers away near Ilmenau in the Thuringian forest. To complete the reinstallation and recommissioning in Wolfsberg, SCHOLPP worked together with Reifenhäuser GmbH & Co. KG Maschinenfabrik of Troisdorf, the manufacturer of the extrusion system.

**Truck-mounted-crane installation in a narrow workshop**

The hardest part of the job was installing a four-metric-ton haul-off unit. This needed to be installed into the supporting steel structure at a height of 14 meters using a 200-metric-ton truck-mounted crane. The greatest challenge was the lack of space in the workshop, which meant the truck-mounted crane had little room to maneuver. Only six weeks after dismantling began, the plant was able to start production at its new site as scheduled.







**Wiesheu GmbH/TRUMPF GmbH & Co. KG: Complete Service Management**

# Baked-in success

SCHOLPP not only trumps in production relocations. When it comes to installing and relocating plants manufactured by TRUMPF, the SCHOLPP CSM team is its joker card. Wiesheu GmbH, Germany's leading manufacturer of in-store baking ovens, called upon this expertise for its project to relocate a production line with TRUMPF machines.

**CSM – Complete Service Management**
Behind the CSM concept is a sophisticated standard for a specific type of cooperation between the customer, machine manufacturer and industrial service provider for production relocations or new installations. The teams from SCHOLPP, consisting of mechanics, mechatronics engineers and electricians, are specially trained on these plants. SCHOLPP relocated five TRUMPF machines for the Wiesheu oven specialists: two TruBend Cell 5170 (S) bending cells, two TruBend 5130 and 5050 bending machines, and a TruLaser 3030 2D laser-cutting machine.

**From dismantling to recommissioning**
SCHOLPP took charge of the relocation involving planning, dismantling, transport, reinstallation and support in recommissioning. From the dismantling site in Affalterbach, located north of Stuttgart, seven tautliner trucks and a special transport (megatrailer) transported the load to the reinstallation site 12 kilometers away in Großbottwar. In the run-up to the relocation, SCHOLPP coordinated the work in detail with the machine manufacturer, TRUMPF, and the customer, Wiesheu. A schedule was jointly defined according to the production plan during several site inspections, with the aim being to guarantee quick production readiness. The limited space at the facilities meant that it was essential to meticulously preplan the locations of the two truck-mounted cranes (80 metric tons) to ensure smooth loading and unloading of the loads.

**Efficient allocation of tasks**
Dismantling was handled by the CSM team. A one-day installation team took care of on-site transport, and the CSM experts were responsible for reinstallation and commissioning support. Above all other factors, the many years' cooperation with TRUMPF was decisive in the project's success as all the interfaces are clearly defined and well established. As a result, the plants could be handed over for production on schedule.

**Customer:**
Wiesheu GmbH, Großbottwar/
TRUMPF GmbH & Co. KG, Ditzingen, Germany

**Task:**
Relocate TRUMPF plants

**From:**
Affalterbach/Baden-Württemberg, Germany

**To:**
Großbottwar/Baden-Württemberg, Germany

**Special equipment:**
Heavy-duty rollers adapted for transporting bending machines

**Information:**
maschinenbau@scholpp.de


**AHS Prüftechnik GmbH & Co. KG: Relocation of operations**

# Regional company move

AHS Prüftechnik, a specialist in building testers for the automotive industry, took advantage of SCHOLPP's expertise in machinery transport to relocate its operations. The project included various milling and bending machines that were to be transported to the new production facility in Ganderkesee within four days.

For over 60 years, the name AHS - A. u. H. Schneider GmbH & Co. KG has stood for quality products and precision technology.

The company from Lower Saxony is regarded as a proven specialist in testers, which it supplies to the automotive industry. Its product range includes roller brake testers, dynamometers, function test benches, and suspension testers for all types of vehicles.

AHS set an important milestone in the company's history with a new production and office building in Ganderkesee, located between Bremen and Oldenburg.

SCHOLPP handled the machinery transport: Three milling machines and three bending machines (3 to 12 metric tons each) were relocated within four days.

Taking the milling and bending machines out of the old Delmenhorst works was routine for the installers. The team loaded the machines onto the truck using a truck-mounted crane without interim storage. Once the load was secured, the transport went by road to Ganderkesee, located a few kilometers away. After unloading the machines, SCHOLPP brought them in and positioned them before handing them over for commissioning.

**Customer:**
AHS Prüftechnik A. u. H. Schneider GmbH & Co. KG, Ganderkesee, Germany

**Task:**
Regional company move

**From:**
Delmenhorst/Lower Saxony, Germany

**To:**
Ganderkesee/Lower Saxony, Germany

**Special equipment:**
Forklift with steerable heavy-duty rollers for straightforward moving of machines in the production area

**Information:**
industrie@scholpp.de



Kadow und Riese Laser- und Umformtechnik GmbH: Press relocation

# In the tightest of spaces

Installation work in densely built-up urban environments always presents a challenge. On behalf of Kadow und Riese Laser- und Umformtechnik GmbH in Berlin, a Photon AG company, SCHOLPP relocated an EITEL GZ 800 hydraulic press and provided a complete service from planning to dismantling, transport and reinstallation, through to electrical installation and recommissioning.

**Customer:**
Kadow und Riese Laser- und Umformtechnik GmbH Berlin, a Photon AG company, Germany

**Task:**
Relocate an EITEL GZ 800 hydraulic press, including dismantling, reinstallation, electrical installation and recommissioning

**Location:**
Berlin, Germany

**Special equipment:**
Heavy-duty mobile cranes for precise and controlled lifting of loads through roof openings at great heights

**Information:**
pressen@scholpp.de

### Time-saving installation in large components

The press was dismantled into five large components: the head piece, press bed, side stands, ram and drawing cushion. Before taking it apart, the press was technically inspected and documented. The heaviest component weighed 45 metric tons. Despite the need to deploy three mobile cranes, sound planning meant that an economic solution was found.

Setting up the mobile crane (400 metric tons) in Wilmersdorf required a lot of care and meant that the access road was completely closed. During the planning phase, the SCHOLPP team obtained permits to operate on public roads.

A support structure had to be built for the opened hall roof. A 70-metric-ton mobile crane was used to release the press and remove the anchor bolts via the roof. The dismantling was handled by a 300-metric-ton mobile crane with a radius of 25 meters.

### Electrical installation and commissioning

Once in Spandau, the press components were temporarily stored. The preparatory work proceeded in parallel, including modifications to the foundations and utilities, steelwork and installing the cable trays and electrics. The SCHOLPP team was able to put the machine back into operation on schedule.

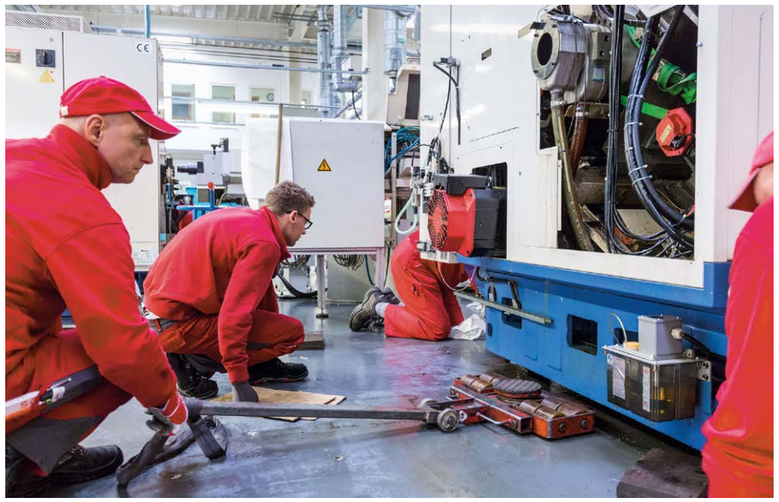



Herbrig & Co. GmbH: Internal plant move

# Working together like a well-oiled machine

Take an experienced site manager and seasoned specialist fitters, and add a sound plan and a goal. When a SCHOLPP team like this pulls together with the customer, a plant relocation for a mid-sized company can be accomplished on site – and within a tight time frame of four weeks in order to minimize restrictions on production operations.

Herbrig & Co. GmbH, based in Altenberg's Bärenstein district in Saxony, is a mid-sized, owner-managed family company with 160 employees. The company, founded in 1956, is a member of an industrial cluster for precision mechanics around the clockmaking town of Glashütte. The Herbrig & Co. product range includes simple through to highly complex turned parts, which are produced on more than 130 automatic lathes. Each year, Herbrig supplies around 130 million parts worldwide for a wide variety of applications and industrial sectors. To be able to respond to customer requirements with even greater personalization, a new cutting-edge workshop was built at its Bärenstein facility.



The SCHOLPP team transported a total of 31 machines from an old workshop and a leased facility to the new site. The transport list was varied: 17 Pfiffner Hydromat rotary-transfer machines, CNC machining centers by TRAUB and INDEX, as well as Citizen fixed-headstock-type CNC automatic lathes. The heaviest machine in this move weighed 9.5 metric tons.

### Complying with transport requirements

Due to the different machine types, there were various manufacturers' transport requirements that the team needed to follow. This has become routine in day-to-day business thanks to the experience of the SCHOLPP installers. The team completed the entire machinery transport within four weeks. The time frame was very tight for the scope of the job, which included loading, transport, unloading and bringing in. Nevertheless, all the machines were at their new work locations on the big day. This was made possible by detailed planning and precise coordination.

**Customer:**
Herbrig & Co. GmbH,
Altenberg/Saxony, Germany

**Task:**
Transport 31 CNC machining centers within a tight time frame

**From:**
Altenberg/Saxony, Germany

**To:**
Altenberg/Saxony, Germany

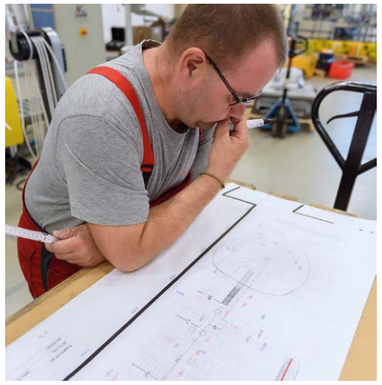
**Special equipment:**
Forklifts with a load capacity of up to 16 metric tons for flexible loading and unloading of machines

**Information:**
industrie@scholpp.de

Vaillant Deutschland GmbH & Co. KG: Converting assembly lines

# In-works conversion

Vaillant Deutschland GmbH & Co. KG is one of the market and technology leaders in heating technology. The Remscheid-based company has been on the market with its innovative products for over 140 years. Its energy-saving heating and cooling systems are in demand worldwide. Permanent innovation means that Vaillant is a dynamic company. Since 2017, SCHOLPP has been often called in when its production lines need converting.



**100-meter-long assembly line**
In this project, four large assembly lines for thermal manufacturing were to be converted. Each line was between 80 and 100 meters long and between 15 and 20 meters wide. Above all, the abundance of different production equipment presented a challenge: many small parts, shelving systems, manual workstations, assembly areas and various workstations. A suitably diverse range of installation equipment was therefore used: forklifts (5 metric tons), assembly trolleys, heavy-duty trolleys, dollies and special tools.

The first assembly line was moved within the plant and took just under four weeks. Once this was completed, a second assembly line was completely rebuilt and installed within five weeks. SCHOLPP relocated the third line on the company site in four weeks. Finally, the electrical system of a fourth production line was upgraded to the state of the art within a further four weeks.

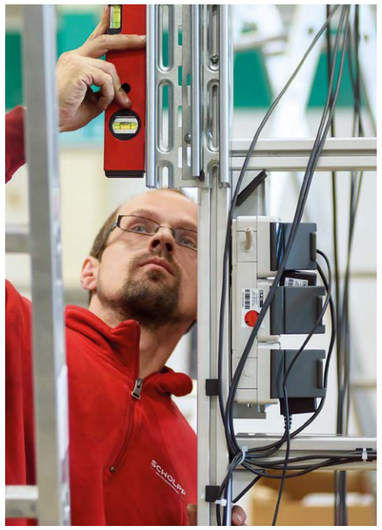
**Complete electrical installation**
The SCHOLPP team handled the dismantling and reinstallation on this project as well as the complete new electrical installation for the assembly lines. Circuit diagrams were drawn up, new cables were laid, and new sub-distribution units and control cabinets were built specifically for this task. The many detailed work steps in this project were completed by SCHOLPP within a tight time frame, and the assembly line was recommissioned on schedule at the time set by the customer.

**Customer:**
Vaillant Deutschland GmbH & Co. KG, Remscheid, North Rhine-Westphalia, Germany

**Location:**
Remscheid, North Rhine-Westphalia, Germany

**Special equipment:**
Forklifts (5 metric tons), lift trucks, assembly trolleys, special heavy-duty transport rollers, dollies and special tools

**Information:**
industrie@scholpp.de





Mercedes-Benz Customer Center, Bremen: Transporting a valuable classic car

# A major presence in the showroom

SCHOLPP enjoys working for the world's oldest carmaker. Yet this time, it wasn't production facilities that were on the transport agenda, but a very special collector's item – a Mercedes-Benz built in 1923. Due to a change in the showroom exhibition at the Mercedes-Benz Customer Center in Bremen, SCHOLPP removed the classic car with great skill and put a new exhibit in its place.


This classic car is a monument to German automobile history. It ushered in the supercharger era at Daimler. The water-cooled, four-cylinder in-line engine with a displacement of 2.6 liters generated 60 hp at 2,800 rpm and reached a top speed of 110 kilometers per hour – impressive for its time.

Removing the valuable coachwork from the upper floor down to the ground floor, where it was then taken outside, required particular care. The installers used four electric chain hoists to mount a heavy-duty platform on an aluminum gantry with titanium spindle supports of particularly high load-bearing capacity. The platform can be moved on crossbars using trolleys.

When moving the classic, which weighs around two metric tons, the installers had to ensure that it was evenly lifted and lowered as the vehicle's design meant that its weight was not spread uniformly on the platform. Thanks to the synchronized electric chain hoists, the hook heights could be individually aligned when lifting.

Once the SCHOLPP team had removed the classic car, a new exhibit was then transported into the showroom. After positioning it in its new location, the team dismantled the scaffolding, heavy-duty platform, chain hoists and floor protection. The work day was over at 5 p.m. on the dot.

**Customer:**
Mercedes-Benz Customer Center, Bremen, Germany

**Task:**
Remove a classic car from the showroom of a car dealership by lifting and lowering asymmetric loads in sync

**Location:**
Bremen, Germany

**Special equipment:**
Aluminum gantry with synchronized electric chain hoists for simultaneous lifting of uneven loads

**Information:**
kunst@scholpp.de

# Our strength comes from our values.

**Diversity: Equipment for every task.**
Those who promise their customers that they are ready to go into action anywhere, anytime, need to be prepared – with the right equipment. For the majority of projects, we have what we need in our fleet of technology, or we will organize it at short notice. Drawing on over 60 years of experience and our expertise in finding technical solutions, we make efficient and economic use of cutting-edge technology on every task. This is how we create value for our customers.

**Openness: Staff with every kind of expertise.**
Industry is dynamic. It is being transformed by digitalization at breathtaking speed. Well-trained staff approach new tasks with confidence and an open mind. That is why we foster a culture of openness in our team so that we as a company can keep on adapting to new technologies, new production contexts and new industrial environments. This is the source of our expertise.

**Continuity: Quality for all time.**
We always provide a high level of quality and safety to our customers. The best technology and capable staff guarantee this. It is the hallmark of our strength and market-leading position in the regional, national and international installation business. This high standard is our guiding principle. We work every day with diligence and enthusiasm to make it a reality. Knowing you can count on this is what makes us reliable.

**SCHOLPP – We keep industry moving.**

***Whichever way you look at it: At SCHOLPP, our installation teams have the right heavy-lifting equipment ready for every type of machine and every task.***

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# We keep industry moving.

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