



GALATEK[®]

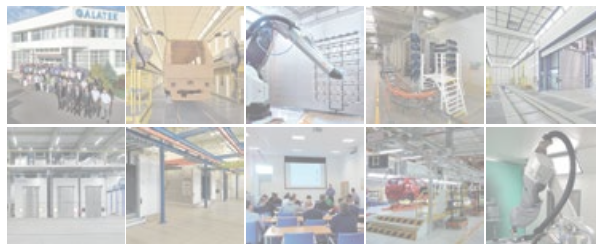
The History of GALATEK a.s. completed its third decade. Since its foundation when it was a provider of designing and advisory services only, it has become, through its highly dynamical and successful development, one of leading manufacturers and suppliers of varnishing plants in Europe. It is a reputable and well-prospering firm, with a highly skilled and stabilised team of experts, its own manufacturing facility and a development centre.

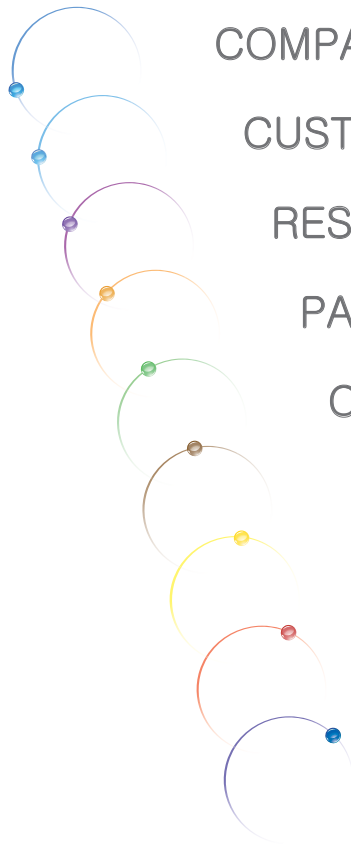
The strategy of the firm is focused mainly on the quality of deliveries, their completeness, including associated services, and in particular on steady development and integration of the latest technologies which contribute to the development of the surface finishing sector.

Thousands of successfully implemented deliveries of equipment on a world-wide basis confirm the meeting of customers' requirements, including those with the highest demands. Satisfaction and confidence of customers are one of the main goals of the company, together with the associated extension of the group of potential clients interested in services of the GALATEK joint stock company.

Ing. Martin Mokoš, MBA

Chairman of the Board of Directors, GALATEK a.s.





COMPANY PROFILE

CUSTOMER CARE

RESEARCH AND DEVELOPMENT

PAINTING PROCESS AUTOMATISATION

CONTINUOUS LINES

PAINT BOOTHS

MANUAL WORK AREAS

SURFACE PRETREATMENT

REFERENCES



COMPANY PROFILE

ESTABLISHMENT

of the company and its development

The company was set up in 1990 as GALATEK TECHNIK v.o.s., an unlimited liability company. Since its establishment, the firm has provided services related to the technologies and equipment necessary for surface treatment work as well as those required for safeguarding the environment. Initially only offering a consultation and engineering services, we eventually decided to branch out as a response to clients' requirements and business results. Our projects became much more far reaching and covered manufacturing, installation as well as maintenance and servicing. An important milestone in the history of the company was the year 2012, when a research and development workplace was built up and the company focused more on the deliveries in the field of automatic painting lines.

RANGE

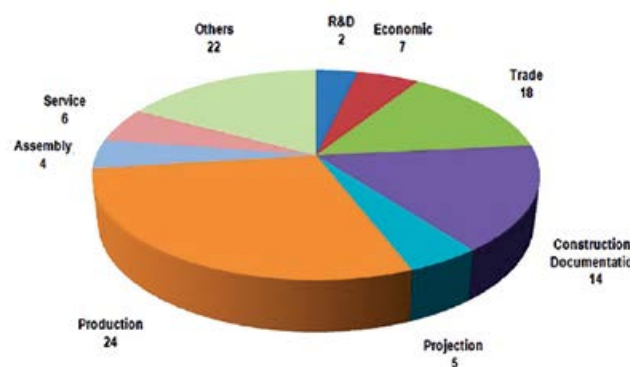
of product

Galatek focuses on producing of machines and equipment according to European quality standards and supplying of complete plants, painting facilities and production lines for surface treatment to a wide range of clients. It includes mainly:

- paint booths and lines for applying liquid coatings and plastic powder coating
- equipment for preliminary surface treatment
- drying and curing ovens
- machinery for transport and handling
- application systems
- special single-purpose machines
- complete system of management and visualization of the technological process

STRUCTURE

of employees





SPECIFIKATION of activities

A large strength of our company is its stabilised team of highly experienced employees with long-term experience in the sector. And it is just this team that is the warrantor of the entire range of activities, including:

- selection and verification of the technological process
- drawing up of the design documentation, including its approval
- assurance of all legislative steps necessary for the Building Permit
- development and design of the equipment
- production and assembly of the equipment
- training of operators and maintenance staff
- complete business and technical services with guaranteed technical assistance and technological advisory services
- customer care during operation of the systems delivered



CUSTOMER CARE

COMPLETE services

GALATEK a.s. does not want to be a supplier only, but it would like to remain a business partner of its customers in the course of operation of the equipment supplied as well. For this purpose the company established its Customer Care Department, whose work consists mainly in the following activities:

- assurance of warranty and after-warranty servicing
- solution of small renovations,
- sale of consumer materials and spare parts
- regular preventative warranty visual inspections of the equipment supplied
- provision of complementary services (training, consulting, measurement...)

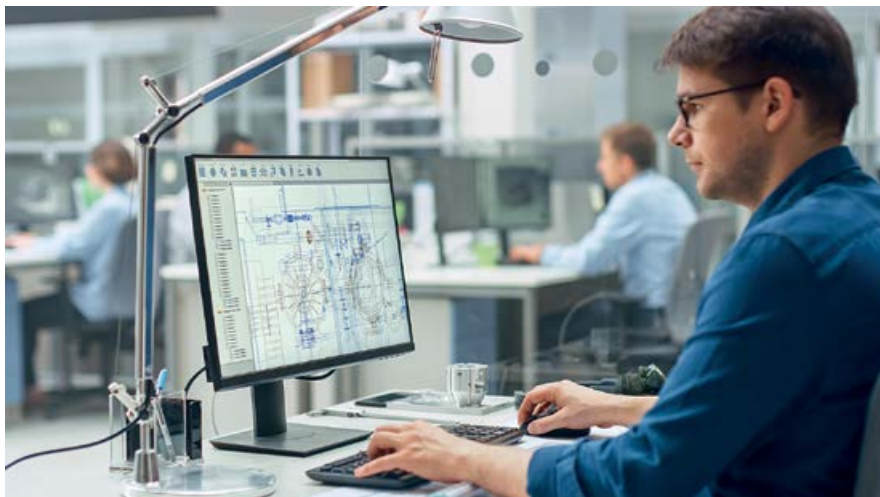




SUPPORT during operation

We try to meet customer requirements for complete support of production operations as well as support of customer staff. This involves especially:

- inspection of operation and diagnostics of errors through remote administration
- support of maintenance and regular care
- establishment of the consignment stock of spare parts
- optimisation of technological processes





RESEARCH AND DEVELOPMENT

OWN RESEARCH and Development

A significant aspect of meeting the specific needs of our customers is the continuous process of research and development of new machines and equipment featuring new progressive technologies, reduction of costs and eliminating the impact on environment. For this purpose, the company has its own Research and Development Centre equipped with progressive pretreatment technologies, application of all kinds of paints using paint robots, and a wide range of application equipment. The Centre also includes devices facilitating drying and hardening of the coats applied, including the hardening by UV lamps. In order to simulate both continuous and intermittent operation, the Centre is equipped with both overhead and floor power-free conveyor with various possibilities of parts rotation. An integral part of the Centre is the laboratory with devices necessary for testing of the basic parameters of the applied surface treatments.



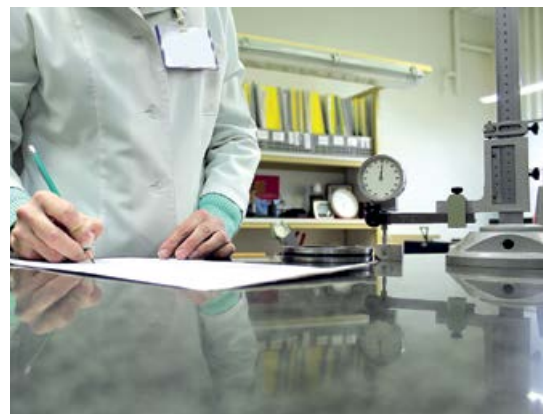


SERVICES

offered by of the Research and Development Centre

The Research and Development Centre focuses on testing of new progressive technologies. The technological equipment and structure of the R&D Centre offer the following services:

- testing the progressive technologies of pre-treatment
- testing the new coating systems on specific products
- testing various application technologies for all paint kinds using robots for paint coating
- testing the hardening of applied coats by the conventional method or by UV lamps
- time optimisation and practical tests of coating materials application on specific products
- optimisation and practical tests of the overhead chain free conveyor for specific components
- enhancing the qualification of surface treatment experts, training of paint shop operators, including the programming of robots



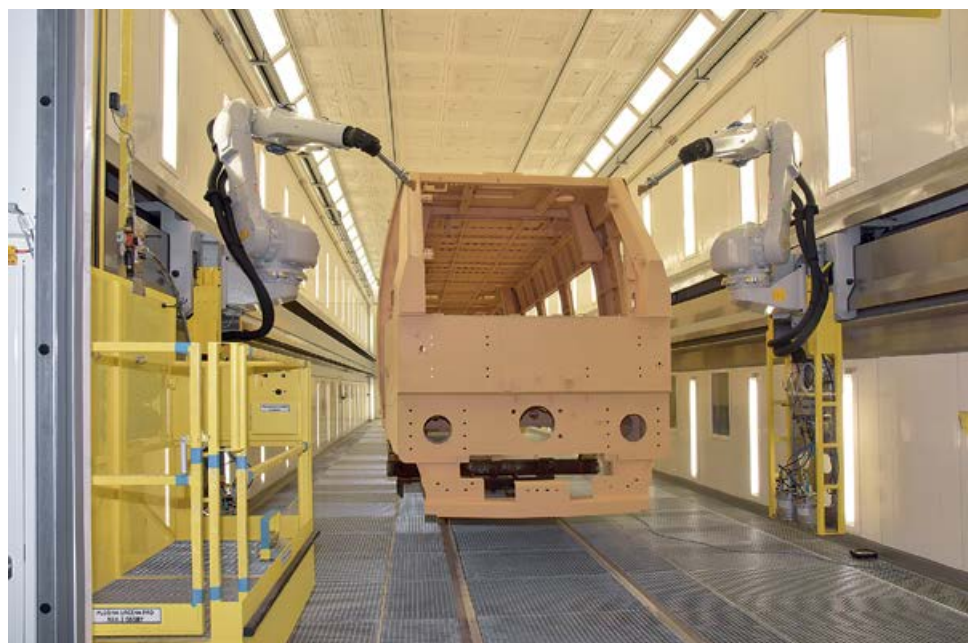
PAINTING PROCESS AUTOMATISATION

ORIGINAL technical solutions

Automatic painting lines represent single-purpose or multi-purpose painting devices for final surface treatment. They are always designed individually, according to the treated product and technological process. With these devices, the capacity and quality of the resulting coating are in most cases on the highest technical level possible.

AUTOMATED processes

The automatic painting machines feature high degree of automation of the entire technological process. The individual processes are ensured by handling devices or robots, facilitating very fast and precise control of the technological procedure. That is why the automatic painting machines are highly productive, achieve high quality of the resulting coating, reduce the consumption of power and material compared to manual processes, enhance the overall safety of the surface treatment workplaces, and are more eco-friendly.





GUARANTEED

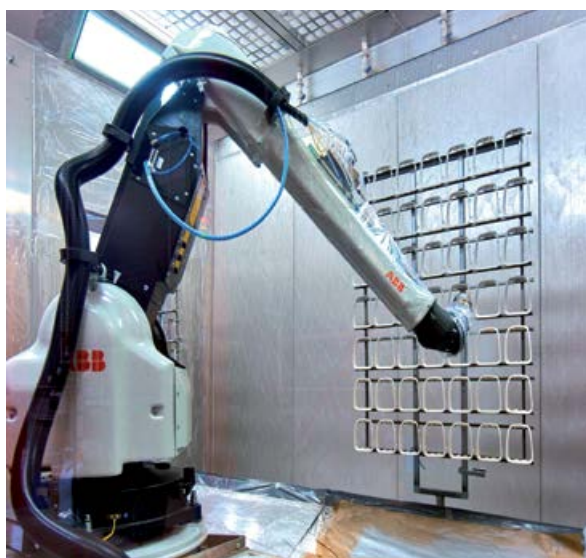
technological parameters

The high degree of automation guarantees the required technological parameters, as well as their repeatability. The automatic painting machines use state-of-the-art control systems, with the possibility to monitor the operational states in real time as well as to archive the operational parameters, i.e. with the system of data collection and visualization, including remote management, with the aim to ensure continuous operation of these devices.





○ ZKW Slovakia s.r.o., Krušovce ○ HELLA Slovakia front-lighting, s.r.o., Nové Mesto nad Váhom ○ RYKO a.s., Děčín ○ Badger Meter Czech Republic s.r.o., Brno ○ Bombardier Transportation Czech Republic a.s., Česká Lípa ○ NEONLAK spol.s r.o., Mladá Boleslav ○ KNORR - BREMSE Systémy pro užitková vozidla ČR, s.r.o., Stráž nad Nisou ○ Linde Pohony s.r.o., Český Krumlov ○ Promens Zlín a. s., Zlín ○ Magna Slovteca s.r.o., Nové Mesto nad Váhom ○ Pressol Tschechien s.r.o., Tachov ○ COLORprof spol. s r.o., Boskovice ○ DJK Europe GmbH, Eschborn, DE ○ SPPP Slovakia s.r.o., Bánovce nad Bebravou ○ Continental Automotive Czech Republic s.r.o., Brandýs nad Labem ○ HAJDIK a.s., Jablůnka ○ NEON - LAK spol. s r.o., Mladá Boleslav ○ Iveco Czech Republic, a. s., Vysoké Mýto



CONTINUOUS LINES

PRODUCTIVE systems

Continuous painting lines are integrated systems of machinery capable of high production, which administer a final treatment to surfaces in either liquid coating or plastic powder form. The process can either be manual or fully automated. Every single line is customised to suit a client's needs in relation to capacity required, the technological process and the end quality of the coating.

PROGRESSIVE technological procedures

Continuous painting lines vary depending upon the technology requested and are made up of various constituent technological systems. Examples of these are spraying machines for grease removal and phosphatising; devices for electrophoretic painting; booths for applying liquid coatings or plastic powder, which also contain application kits; drying, curing or hardening ovens; as well as volatilisation and cooling tunnels. The surfaces of components treated in the lines are conveyed via various transport methods.





COMPLEX solution of every line

A number of completion systems accompany the delivery of each painting line. Their main purpose is to ensure that high quality levels are achieved by the technological process, and that legislative requirements are observed. These systems include water treatment plants, air handling systems including any necessary moisturizing or cooling of the inlet air, systems for catching or disposing of organic solvents from the exhaust air, stations for producing demineralised water, plants for preparing chemicals and paints, and complex systems for regulation and control of technological parameters of the device. The final design of each particular line is dependent upon the capacity required, the optimised and tested technological process, the demanded quality of the resultant finish, and compliance with the legislative requirements for the operation of the device.





- Nissens Cooling Solutions A/S, Olomouc
- SINOP SMP s.r.o., České Budějovice
- HAAS+Sohn Rukov s.r.o., Jiřetín pod Jedlovou
- FAIVELEY TRANSPORT, CZECH a.s., Plzeň
- SNCF TECHNICENTRE DE, Bichheim, Francie
- KOVOFINIŠ s.r.o., Ledoň nad Sázavou - Aviastar Uljanovsk
- Richmond - CZ a.s., Týn nad Vltavou
- AZOS CZ, s.r.o., Nymburk
- ALTA a.s. Brno, - Irkutský letecký závod Irkut
- ABB s.r.o., Praha
- VEKRA spol s r.o., Lázně Toušeň
- METRA BLANSKO a.s., Blansko
- Pittsburgh Corning CR, s.r.o., Klášterec nad Ohří
- ŠKODA AUTO a.s., Mladá Boleslav
- ComWa spol. s r.o., Roupov
- BORCAD cz s.r.o., Fryčovice
- Farnet a.s., Česká Skalice
- Suchánek & Walraven, s.r.o., Horka u Staré Paky



- Tritón Pardubice, spol. s r.o., Starý Mateřov
- PROMA REHA, s.r.o., Česká Skalice
- NTS Prometal Holding, s.r.o., Slavičín
- Jaroslav Cankař a syn ATMOS, Bělá pod Bezdězem
- TVD-Technická výroba a.s., Slavičín
- SEC spol. s r. o., Nitra
- Varroc Lighting Systems, s.r.o, Nový Jičín
- AC LAK s.r.o., Liberec
- RENDL lighting a.s., Praha, (provoz Zruč nad Sázavou)
- Schindler CZ, a.s. Praha
- METAL-LUM Domažlice s.r.o.
- Eaton Elektro-technika s.r.o., Suchdol nad Lužnicí

PAINT BOOTHS

HIGH-QUALITY

surface treatment of large and complete products

Paint booths for application of coating materials serve for surface treatment of large-sized parts and complete products. The skeleton of the booth is made of panels from various materials, of heat-insulating panels, or may be built from bricks as part of the structure. It also contains lighting and a sliding, folding, wing or a louvered door. An exhaust air ventilation system with dry or wet filtering of solid excess paint elements from the exhaust air, and an air supply system with fine filtration of the inlet air, are supplied as standard in a quality corresponding to the final finish requirements. Furthermore, all necessary wiring, an appropriate control and regulation system, and (where applicable) the visualisation of the technological process are delivered with the booth.

SAFE AND GOOD-QUALITY

working environment

General air exhaustion from the work area of the booths or from sections of it, and the subsequent supply of clean filtered air heated to a preset working temperature, is ensured by a block built air-conditioning unit. These contain exhaustion and supply fans with heating blocks for a choice of heating media. Systems for heat recuperation or units for supplying moisturised air are optional accessories. The units ensure the circulation of the heated air in the booth, facilitating paint drying directly in the working area of the booth. The supply and exhaustion fans can be fitted with frequency changer for easy regulation of pressure and reduction of the amount of ventilated air when no surface treatment is being performed.





ECO-FRIENDLY solution of the entire operation

In order to meet emission limitations in exhaust air permitted by legislation, paint booths contain systems for retrieving or eliminating organic solvents from the exhaust air, the extent of which depends upon the consumption and composition of paint used.





○ ŠKODA VAGONKA a.s., Ostrava ○ Bombardier Transportation Czech Republic a.s., Česká Lípa ○ Českomoravská Železniční opravna, s.r.o., Přešov ○ Dopravní podnik hl.m., Prahy a.s., Praha ○ AUDI AG INGOLSTADT ○ KOVOFINIŠ s.r.o., Ledč nad Sázavou - Progress Arsenjev ○ VOLKSWAGEN SLOVAKIA, a.s., Bratislava ○ AKTIVTESTGROUP OOO, Sankt Peterburg ○ MSA a.s., Dolní Benešov ○ KADATEC s.r.o., Divišov ○ Bammer trade a.s., Plzeň ○ ALTA-RUS Moskva ○ WAY INDUSTRIES, a.s., Krupina ○ CZ LOKO a.s. Česká Třebová, závod Jihlava ○ ALTA a.s. Brno - OAO SATURN Rybinsk ○ Zemědělská a dopravní technika, spol.s r.o., Nové Veselí ○ SOR Libchavy spol. s r.o., Libchavy ○ MOVO spol.s r.o., Plzeň ○ Železničné opravovne a strojárne Zvolen, a.s., Zvolen ○ Ostravské opravny a strojírny, s.r.o., Ostrava



- PARS NOVA a.s., Šumperk ○ KRÁLOVOPOLSKÁ, a.s., Brno ○ Bombardier Transportation Czech Republic a.s., Česká Lípa ○ LAKOVNA PAVELEK s.r.o, Opava ○ Iveco Czech Republic, a. s., Vysoké Mýto ○ ŽOS Trnava a.s., Trnava ○ TOS VARNSDORF a.s., Varnsdorf ○ ŠKODA TRANSPORTATION a.s., Plzeň ○ VOP-026 s.p. Šternberk ○ ROTAS STROJÍRNÝ spol. s r.o., Rotava ○ PSL, a .s., Považská Bystrica ○ Slovácké strojírný a.s., Uherský Brod ○ I.M.F. s.r.o., Sedlčany ○ LETOV LV, a.s., Praha 9 - Letňany ○ KM Technology control,s.r.o., Piešřany ○ DOPRAVNÍ PODNIK měst Mostu a Litvínova, a.s ○ Deltagaz spol. s r. o., Trhový Štěpánov ○ AVIA - strojírna, Novosedly a.s., Novosedly na Moravě ○ Taylor Wharton Harsco Košice ○ SKLÁŘSKÉ STROJE ZNOJMO, s.r.o., Znojmo ○ ALSTOM Power, s.r.o., Brno ○ ŠKODA VAGONKA a.s., Ostrava-Vítkovice ○ ŠKODA AUTO a.s., Mladá Boleslav ○ Krnovské opravny a strojírny s.r.o., Krnov

MANUAL WORK AREAS

SMALL-BATCH operating sets

Manual workplace comprises a wide range of equipment designed for application of powder plastics or liquid paints on components in small-batch to single-part production. Despite the fact that many of the devices are of the standard type, the quality of their manufacture and the selection of used materials and individual components is on a very high level, comparable to other custom-made devices. This range includes booths used for applying plastic powder coatings, drying units designed for drying components following grease removal, and for drying and curing surfaces of liquid paints, ovens for hardening plastic powder coatings, and suction walls for spraying water-based or solvent-based paints with a dry or wet system for filtering solid excess paint elements from the exhaust air

VARIANT solution

Each manual work area can be set up in different ways, from purchase of individual devices, for example to complete the existing surface treatment operation, to implementation of the complete workplace as a “turn-key” delivery. From the chosen variant of manual work area follows the extent of any completing of these workplaces with other additional devices, such as application devices, intake and exhaust air handling system, devices for catching of organic solvents, handling equipment and conveyors, and a number of other components. Each manual work area, be it individual standard devices or complex workplace, includes electrical installation with adjustable level of control and regulation of technological parameters, from microprocessor regulation systems to state-of-the-art control systems.





ECONOMICAL

in terms of purchase and operating costs

The wide range of equipment, often of the standard type, facilitates the assembly of complete surface treatment operation according to the individual needs of each customer. The crucial aspects for construction of these operations are, apart from the technological and capacity requirements, the spatial and power demands together with low purchase and operation costs.





○ ECOS Choceň s.r.o., Choceň ○ Mankiewicz Průmyslové barvy a laky k.s., Brno ○ SINOP SMP s.r.o., České Budějovice ○ KV2 Audio International spol. s r.o., Milevsko ○ DENIOS s.r.o., Strakonice ○ MEDIA CZ s.r.o., Liberec ○ VOP CZ, s.p., Šenov u Nového Jičína ○ Strojírny Prostějov a.s., Prostějov ○ Milacron Czech Republic, spol. s r.o., Polička ○ VZDUCHOTECHNIK, s.r.o., Chrástava ○ UNIVERSAL HYDRAULIK CZ s.r.o., Putim ○ Promens a.s., Zlín-Přítluky ○ METALLFORM, s.r.o., Beluša ○ ENETEX TECHNOLOGY s.r.o., Olomouc ○ TDS ZAMPRA spol. s r.o., Frýdlant nad





Ostravici ○ IG Wateeuw ČR s.r.o., Brno ○ Solar Turbines EAME s.r.o., Žatec ○ CZ LOKO a.s., Česká Třebová ○ Reis Robotics ČR - strojírenství, spol. s r.o., Chomutov ○ TVD-Technická výroba, a.s., Slavičín ○ Engel strojírenská spol. s r.o., Kaplice ○ VÝTAHY OSTRAVA spol.s r.o., Ostrava-Přívoz ○ ELSTER s.r.o., Stará Turá ○ InColour s.r.o., Praha 9 ○ XERIA spol. s r.o., Otrokovice-Kvítkovice ○ Slováké strojírný a.s., Uherský Brod ○ STROJON-výtahy s. r. o., Lázně Bohdaneč ○ SOLAR-TECHNIK s.r.o., Fryšták ○ ELITEX Nepomuk a.s., Nepomuk ○ Zvs Enco, a.s., Dubnica nad Váhom ○ SEC spol. s r.o., Nitra ○ COMWA spol. s r.o., Přeštice





SURFACE PRETREATMENT

PRETREATMENT

is essential for high-quality finish

High-quality coating requires pretreatment of the surface. The parts must be degreased and, in case of higher corrosion requirements, also chemically treated. Preparatory work on surfaces is conducted by water solutions of chemical agents, which are subsequently rinsed away. Each pretreatment technology is designed, together with the degreasing agent supplier, according to specific customer requirements in order to achieve the optimal parameters of the work baths and quality of rinsing while reducing the amount of rinsing water as much as possible.

AUTOMATED equipment

Fully automated surface pretreatment is ensured by passage-through spraying machines. As a standard, these machines are equipped with degreasing units and several stages of rinsing with pre-rinsing frames, work bath dosing, measurement of rinsing conductivity with automatic monitoring and setting of conductivity values within the defined limits, and regulation of the heated baths temperature. All operating parameters are managed automatically, effectively eliminating the need for permanent operator. The passage-through spraying machines are delivered in stainless-steel or plastic version with complete accessories, i.e. bath heating, inlet water treatment, waste water treatment, and retention, sludge and storage tanks.





MANUAL work areas

Degreasing booths are designed for surface pretreatment of sizeable components or for plants of a lower production capacity where automatic degreasing machine is not economically beneficial. Grease removal, or a combination of degreasing and phosphating, is carried out by manual spraying. A strong cleaning effect is attained





- VALEO VÝMĚNÍKY TEPLA s.r.o., Žebrák ○
- Bombardier Transportation Czech Republic a.s., Česká Lípa ○
- FAIVELEY TRANSPORT CZECH a.s., Plzeň ○
- DURA Automotive CZ, k.s., Blatná ○
- Richmont - CZ a.s., Týn nad Vltavou ○
- METRA BLANSKO a.s., Blansko ○
- DENIOS s.r.o., Strakonice ○
- ComWa spol. s r.o., Roupov ○
- ESB Rozvaděče a.s., Brno ○
- KWP, s.r.o. Příbram ○
- Strojírny Prostějov, a.s., Prostějov ○
- BORCAD cz s.r.o., Fryčovice ○
- Milacron Czech republic s.r.o., Polička ○
- VZDUCHOTECHNIK, s.r.o., Chrástava ○
- HTP s.r.o., Žirovnice ○
- MAREK DOBEŠ, Zlín-Jaroslavice ○
- Suchánek & Walraven, s.r.o., Horka u Staré Paky ○
- SixPointTwo s.r.o., Humpolec ○
- OZT - OBCHODNÍ ZAŘÍZENÍ TOUŽIM, a.s., Toužim ○
- Tritón Pardubice, spol. s r.o.,



Starý Mateřov ◦ NTS Prometal Holding, s.r.o., Slavičín ◦ Jaroslav Cankař a syn ATMOS, Bělá pod Bezdězem ◦ TVD-Technická výroba a.s., Slavičín ◦ Daikin Industries Czech Republic s.r.o., Plzeň ◦ SEC spol. s r. o., Nitra ◦ Varroc Lighting Systems, s.r.o., Nový Jičín ◦ AC LAK s.r.o., Liberec ◦ RENDL lighting a.s., Praha, (provoz Zruč nad Sázavou) ◦ Eaton Elektrotechnika s.r.o., Suchdol nad Lužnicí ◦ METALL-FORM, s.r.o., Beluša ◦ Zvs Enco, a.s., Dubnica nad Váhom ◦ VÝTAHY OSTRAVA spol. s r.o., Ostrava ◦ CZ LOKO a.s., Česká Třebová ◦ ŽOS TRNAVA a.s., Trnava



REFERENCES

QUALITY and reliability

GALATEK a.s. has carried out thousands of project throughout its existence, contributing significantly to overall development of the field of surface treatment both in the Czech Republic and abroad. Majority of the projects have been implemented as complex deliveries. Number of these projects met high demands of significant clients from automotive and aerospace industry, railway and wheeled vehicle production, processing of plastics and many other industrial areas.



ŠKODA TRANSPORTATION a.s.

Plzeň



SPPP Slovakia s.r.o.

Bánovce nad Bebravou



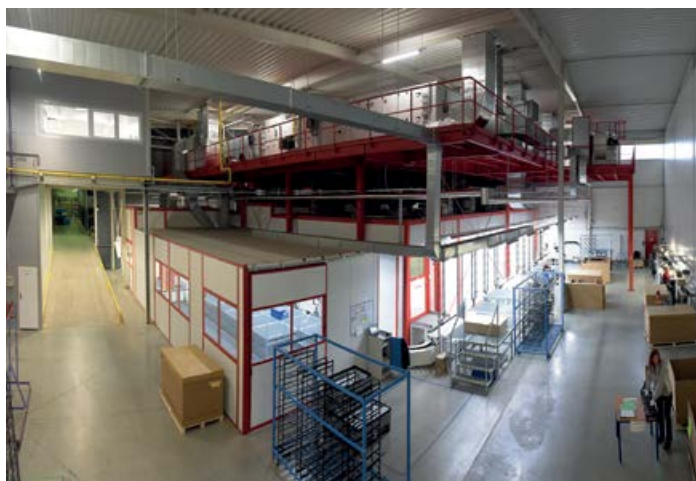
Dopravní podnik hl.m.Prahy, a.s.

Praha



MAGNA SLOVTECA, s.r.o.

Nové Mesto nad Váhom



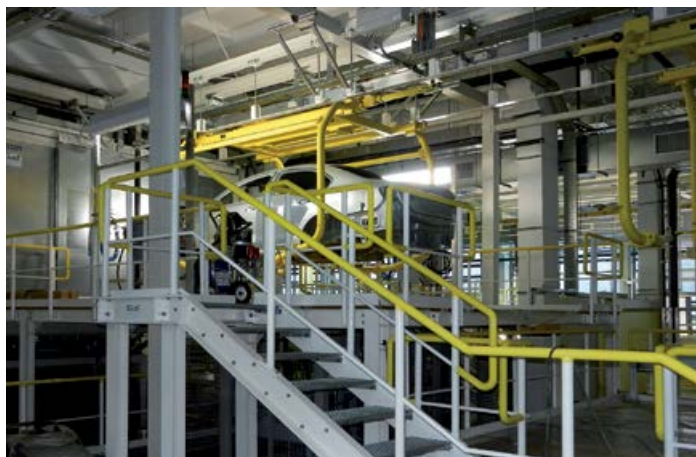
COLORprofi, spol. s r.o.

Boskovice



VOLKSWAGEN SLOVAKIA, a.s.

Bratislava



ŠKODA AUTO a.s.

Nižnij Novgorod, Ruská federace



Dopravní podnik hl.m.Prahy, a.s.

Praha



Iveco Czech Republic a.s.

Vysoké Mýto



ŠKODA AUTO a.s.

Mladá Boleslav



URALVAGONZAVOD

Niznij Tagil, Ruská federace



AERO Vodochody AEROSPACE a.s.

Odolena voda



Bombardier Transportation Czech Republic a.s.

Česká Lípa



KUBOTA FARM MACHINERY

Bierne



VOLKSWAGEN Wrzesnia

Polsko



IRKUTSKÝ LETECKÝ ZÁVOD

Irkutsk, Ruská federace



SNCF Bischheim

Bischheim



Company name: GALATEK a.s.

Company address: Na Pláckách 647 P.O.BOX 35
584 01 Ledeč nad Sázavou, Česká republika

Phone: +420 569 714 201

Internet, E-mail: www.galatek.cz, lakovny@galatek.cz

Commercial register: Regional Court in Hradec Králové,
Section B, Entry 1742

IČO: 25286706 **DIČ:** CZ25286706

