

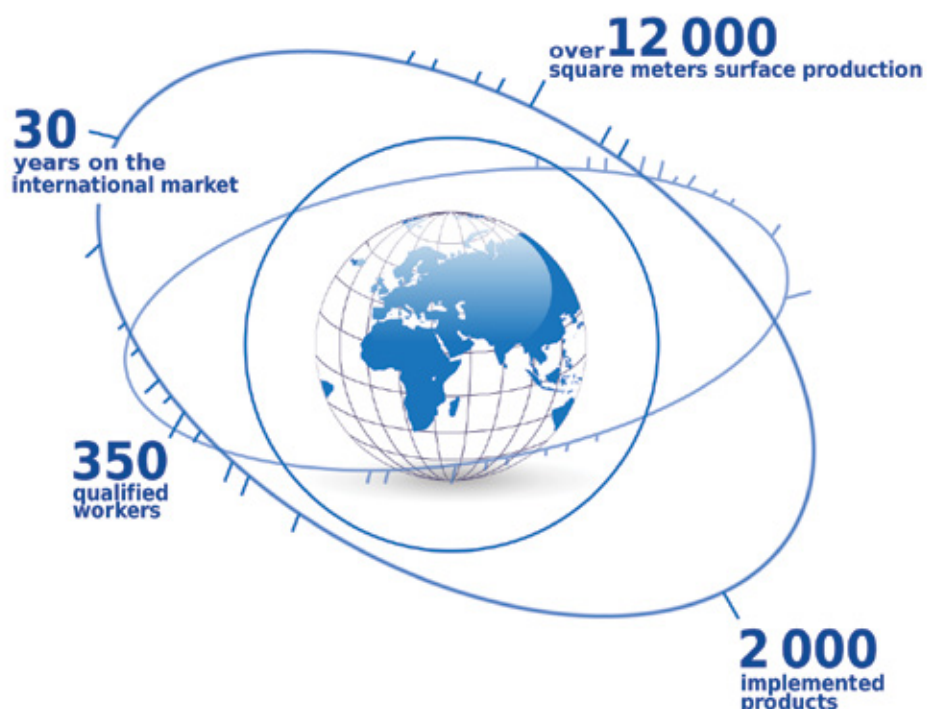


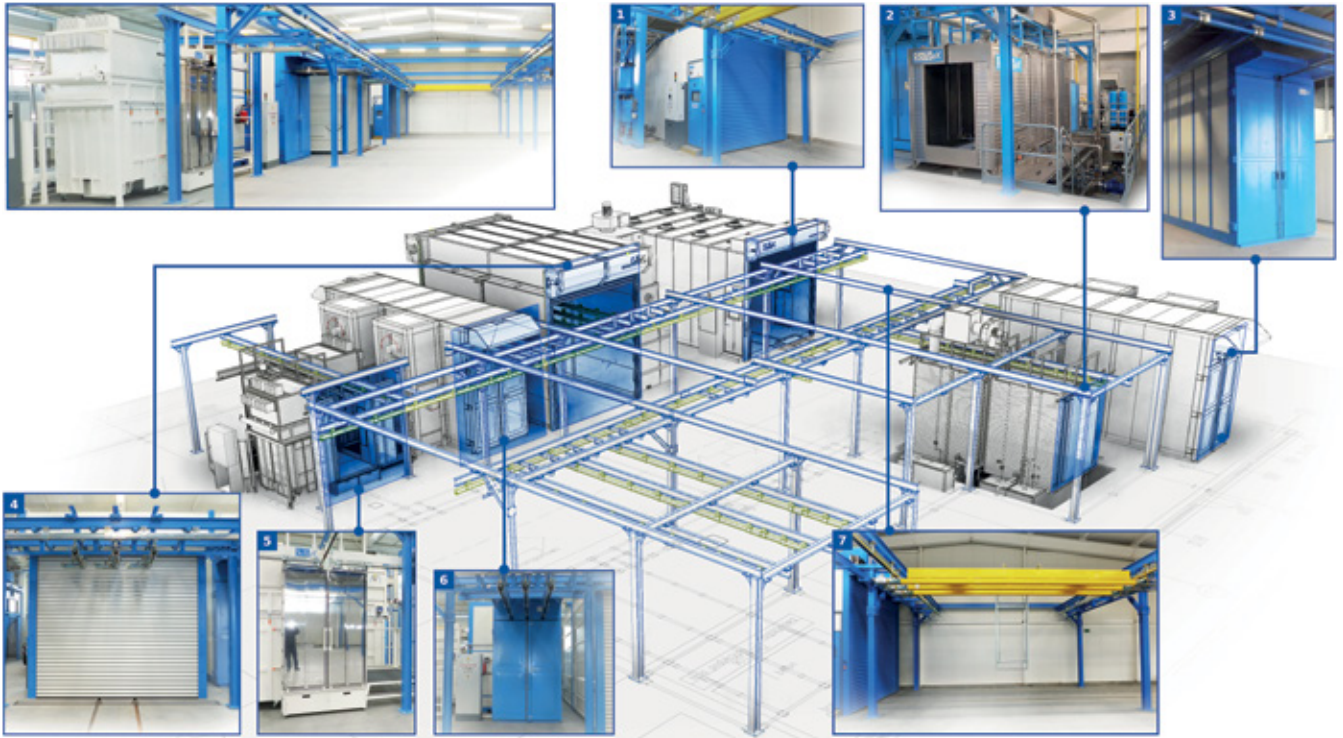
RUBICOAT® -the modular solution

COMPREHENSIVE IMPLEMENTATION
OF PAINT LINES FROM ONE MANUFACTURER

 SciTeex
www.sciteex.com

SciTeex was established in 1992 as a small engineering company has become an internationally renowned machine-building organization and as the leading supplier of solutions for surface treatment in various fields of industry such as steel structures, energy, transportation, mining, machine production, chemical, and defence. With 30 years of experience in machine building, the company's engineers have developed a modern, modular solution for RUBICOAT® compact surface treatment lines.





🔗 The RUBICOAT® concept: **1.** Pneumatic Blastroom CABILUX. **2.** Chemical pretreatment washer AZUR. **3.** Drying oven after washing OVERSATIL. **4.** Paint booth VENUS. **5.** Powder coating booth POWDERCOMPACT. **6.** Polymerization Oven OVERSATIL. **7.** Overhead conveyor manually operated

What makes SciTeeX unique is a wide range of machines designed and manufactured in one company, in one factory, including blasting machines (blastrooms, wheel blast machines), chemical pre-treatment machines (degreasing booths, multi-stage washers, conversion coatings), thermal spraying machines

(arc, flame) and organic painting lines (powder and liquid paints). SciTeeX's continued growth has resulted in the completion of the Experience Centre in 2019. It enables the exposition and operation presentation of many of the manufactured machines and the optimal selection of solutions according to customer needs.

Experience Centre is:

- approximately 800 sq. m. of demonstration space,
- presentation of processes and machine series,
- properly equipped multi-media conference rooms,
- training under the guidance of experienced trainers,
- coatings lab and hands-on training.

Compact lines, just like a Rubik's cube

Continuous design development has allowed the equipment to evolve in a way that provides the ability to configure surface treatment lines according to customer needs and space availability.

Thanks to this configurability and modularity, the line





🔧 Powder coating line according to the RUBICOAT® concept



was named RUBICOAT®, because the process of interconnection of the devices resembles solving Rubik's cube, one of the sources of inspiration for SciTeeX engineers.

One of the most important features of the RUBICOAT® line is the possibility to integrate the blastroom or wheel blast machine with the paint shop transport system in such a way that they form a single functional unit.

Key features of RUBICOAT®

- space saving - the line occupies a small area;
- possible execution without foundation of the whole line;
- integration of different technological processes: mechanical and chemical surface preparation, liquid and powder painting, thermal spraying of metals;
- different sizes of workpieces: from small workpieces to large ones,

which are no challenge for SciTeeX;

- complete and seamless integration into pneumatic blastrooms and wheel blast machines through implementation of the entire line by one manufacturer;
- possibility to configure machines according to individual requirements for optimization of the technologies and processes used;
- freedom of machine positioning in relation to each

other, depending on the location in the production hall and the direction of flow of workpieces through the process line;

- advanced automation systems that integrate individual machines and processes into a single whole;
- the possibility of integration with a local ERP system.

RUBICOAT® configuration modules

- manual and robotized pneumatic blastrooms,
- automatic wheel blast machines,
- manual and automatic spray washers,
- paint booths for liquid paints with vertical and horizontal ventilation,
- manual and automated powder booths,
- ovens and dryers with direct and indirect heating,
- technological transport tailored to the needs of a particular line,
- associated equipment: metallization equipment, control and measuring equipment, coating testing laboratory equipment, demi water station, sewage treatment plant, air compressors.



🔧 Powder coating line according to the RUBICOAT® concept



Possible functions of machine control systems

- Smart Start - a system that brings savings in electricity consumption. If a momentary interruption in use is observed, the machine enters standby mode, where, for example, the ventilation capacity is reduced;
- Multicolour - a feature we implement in polymerization furnaces. Activating this mode of operation allows simultaneous polymerization of workpieces in different colours;
- Fuel Consumption Monitoring - the possibility of continuous monitoring of fuel consumption (gas, heating oil);
- Tracking - an innovative solution for tracking workpieces in cross conveyor lines;
- integration of the paint line control system with the customer's local ERP system implemented under the INDUSTRY 4.0 concept.

The RUBICOAT® philosophy is based on any machine configuration. It should also be emphasized that RUBICOAT® are, above all, specialized machines, very compact, containing many innovative and advanced solutions that make this configuration possible.

SciTeeX's comprehensive implementation - including the delivery of not only selected process machinery, designed and supplied by one manufacturer, but also

additional equipment such as: demi water stations, wastewater treatment stations, paint application equipment, control and measuring equipment, air compressors - allows the client to take full advantage of the optimization while maximizing the efficiency of the company's operation.

With a strong team of professionals, SciTeeX supports its customers with consulting and machine selection.



 Liquid painting line with Infrared (IR) dryer

Certified Training

SciTeeX, in cooperation with SLV-GSI Polska Sp. z o. o. and SLV Duisburg, offers training (theoretical and practical) combined with qualification of personnel for the following processes: painting (liquid and powder paints), abrasive blasting, thermal spraying. The several-day workshop, conducted under the guidance of experienced trainers in the Experience Centre at the SciTeeX factory, will conclude with an exam and the issuance of a certificate by SLV Duisburg (a FROSIO-recognized training entity).