

Application Success Stories

The fastest powder colour changing !!!

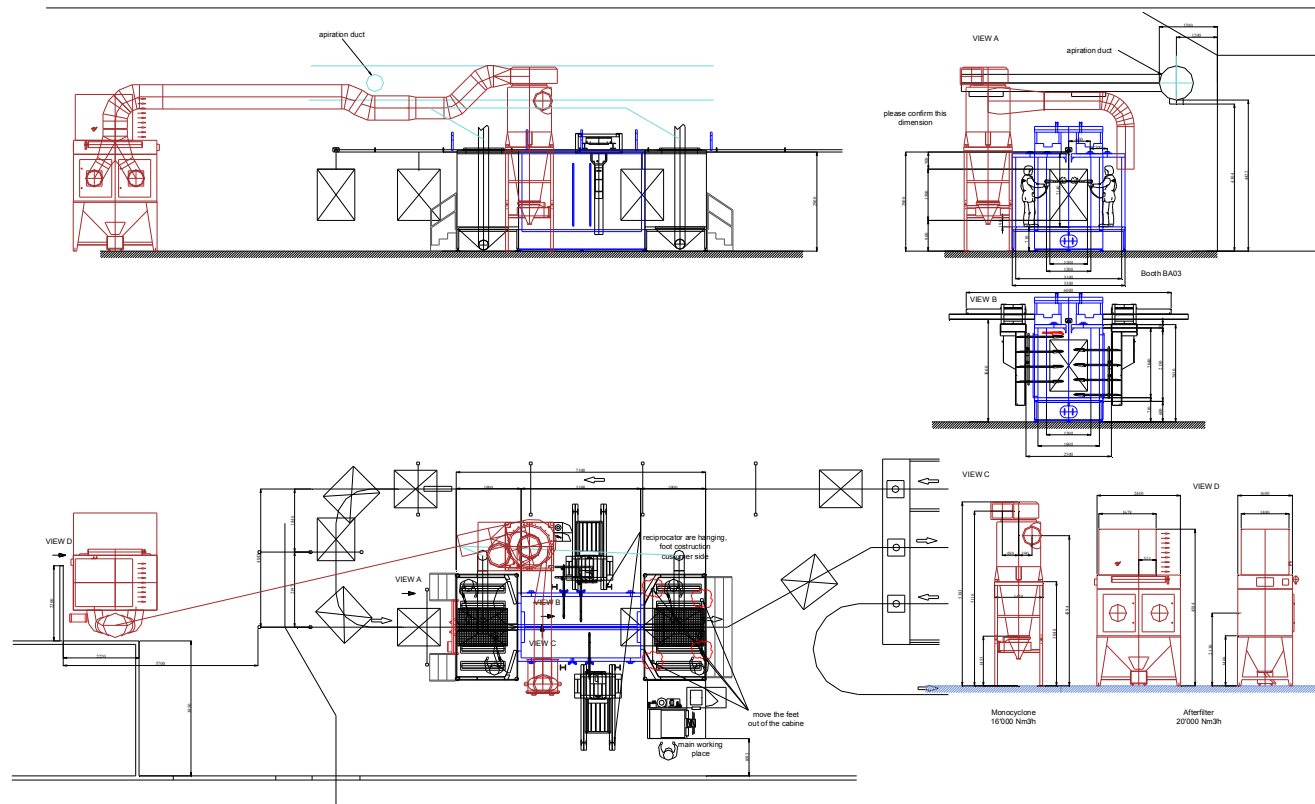
Higher productivity, more efficient operation, even coverage – these are the best features of the latest powder coating line !!!

Gema powder coating workshop has been working for several months in one of the Sudeten villages. It was installed and launched by EKO-BHL Sp. z o.o. Modernisation of Zakład Produkcji Automatyki Sieciowej S.A. with its registered office in Przygorze is a significant event in the 40-year production history of different kinds of industrial cases. These products are delivered for needs of the energy, telecoms and IT market. They are distributed all over the world by ZPAS Group.



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Layout



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Installation Key Data

Parts: Electrical control cabinets

Parts Size:

Max. Height 1'400 [mm]

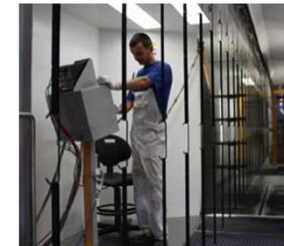
Max. Width 1'000 [mm]

Max. Length variabel [mm]

Conveyor Speed: 1.5m/min

Scope of Delivery:

- Magic Compact BA03 EquiFlow
- OptiFlex AS05-12G
- 2x ZA05-18/XT10-10 (hanging)
- CM30
- OC02 IN ICS03 INCL. LIGHT BARRIER



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In 2013 ZPAS Group is celebrating its 40th anniversary of operation. Such long time being on the market indicates high position of the company in electronic communications industry. Obviously, modern elements of IT, telecommunications and energy systems have to have appropriate parameters and features, which meet the requirements concerning modern High-tech technologies. Dynamic development of the company would not be possible without modern machinery stock of Zakład Produkcji Automatyki Sieniowej S.A. in Przygorze. Thanks to installation of the Gema system for spraying powder paints, production of industrial cases (also e.g. server cupboards), goods made of stainless and acidproof sheet metal, external aluminium cabinets or dispatching desktops is more efficient than before. The time of each standstill for changing the colour was reduced 4 times!
– A need of investment in new powder coating workshop appeared when the previous solution became too troublesome – informs Roman Matusiak, the manager of the Maintenance Department in Zakład Produkcji Automatyki Sieniowej S.A. – The old powder line was generating

more costs concerning standstill for colour changing. Greater productivity, more efficient operation, even coverage – these are only few from many more changes for the better. Steering is conducted directly from touch panel and monitoring of painting process can be carried out using PC computer in production manager's office. Direct internet connection from Gema Switzerland for technical assistance is conducted obviously in real time (on-line). Automatic diagnostics concerning servicing and maintenance of devices is performed on an ongoing basis. Generated notifications allow the staff preparing earlier to essential inspections. Complex database ensures conducting even economic analysis. All of this serves to optimize processes connected with the powder painting workshop work. The length of elements for coating is up to 2 metres. Cross-section of the booth allows applying paints onto elements of 110 cm wide and 150 cm high. The whole powder coating line is closed type. Loading place is next to place of unloading the finished products. Elements loaded with the speed 1,3

metres per minute go to the washer. The washing process is conducted in a 40 metres long cabin. The washer has 5 zones (one of the steps is phosphorating). Then prepared elements go to bake oven, where they move like on "a merry-go-round".
– The whole cabin is a bit modified according to our needs. We continuously improve processes in the powder painting workshop. In the first place we are going to develop hanging systems in such a way that elements could be put closer to each other. – ensures Roman Matusiak, ZPAS. Gema system of course guarantees expansion of powder painting workshop. The managers of powder painting workshop of Zakład Produkcji Automatyki Sieniowej S.A. with its registered office in Przegorze emphasise the high quality of elements coverage. Unit of Gema OptiCenter OC02 dosage gives the possibility of quick colour changing without any chips. Closed circuit of the powder allows eliminating dusts both during the painting and cleaning process. All of these advantages go hand in hand with high level of cleanliness in the powder coating workshop