

# Application Success Stories

**Agrostroj Pelhřimov**  
**Agricultural machines**

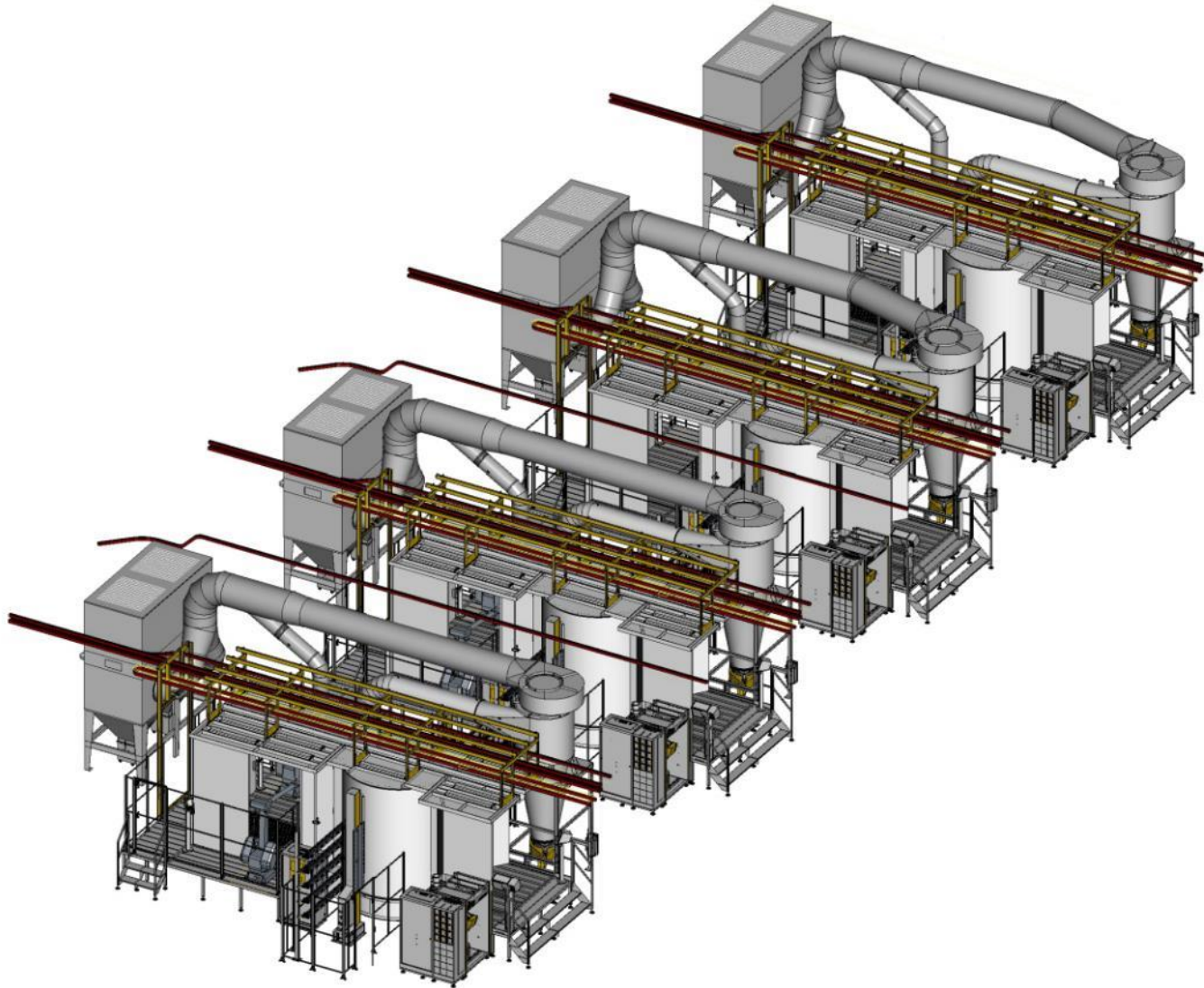


Profitability

Efficiency

Automation

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## Installation Key Data

### Parts:

agricultural machines

### Parts size:

H 1'800 mm

W 800 mm

L 3'000 mm

### Conveyor speed:

V 2.5 m/min

### Scope of delivery of 4 identical lines, each with:

1 x OptiFlex AS06 / 5G

10 x OptiGun GA03P-1250 automatic gun

4 x OptiSelect GM03 manual gun

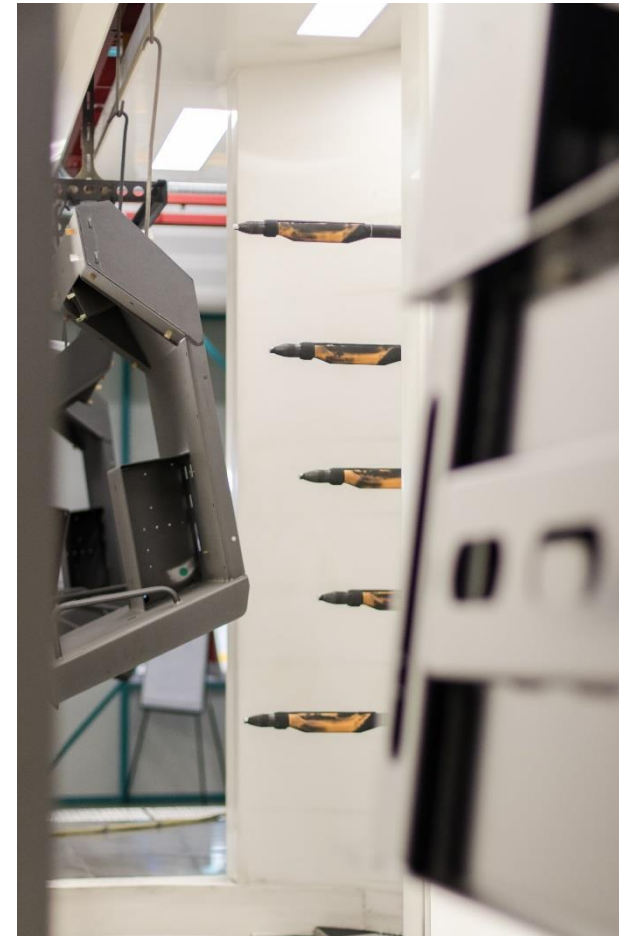
(2 lines also include 2 x RobotGun GM03-R)

2 x ZA13 axis, each with 5 x U-axis UA04

1 x ICS04 / MagicControl CM30 control system

1 x OptiCenter OC02

1 x MagicCylinder color change booth



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Agrostroj Pelhřimov is currently the leading producer of agricultural machines in the Czech Republic and well-known as supplier of high-quality parts for many notable manufacturers of commercial and agricultural vehicles. Difficult project demands, strict requirements of customers and expanding production were the reasons for thorough modernization of the existing machinery and purchase of new progressive technologies.

2006 a KTL and coating plant with a capacity of 2 Mio. m<sup>2</sup> steel p.a. was installed, which was said to be the largest universal facility in Europe



those days. But the existing powder coating line was limited to coat 1.1 Mio. m<sup>2</sup> only. This was the reason to start an expansion and modernization project in the year 2015. The main targets of Agrostroj were to increase the coating performance, to achieve the best economic efficiency and to perform quick color changes.

The decision was made for the MagicCylinder color change system by Gema. Visits to other companies convinced Agrostroj, that this booth type ensures quick, efficient and clean color changes. The versatile and accurate control settings of the



application technology enable high coating quality for the 53 color shades and 17'000 programs, which are stored in the data base. Laser scanners are detecting the part geometry and control fully automatically the individual horizontally moving gun axis. This guarantees the effective coating of difficult part geometries in highest quality.

The new powder plant of Agrostroj is currently one of the most capable in Europe, thanks to modern technology, high automation degree and perfect ergonomics.

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