

Application Success Stories



IEMCA designs and produces automatic bar feeders for lathes, machining centers, grindings, gear cutters, and other types of machine tools.

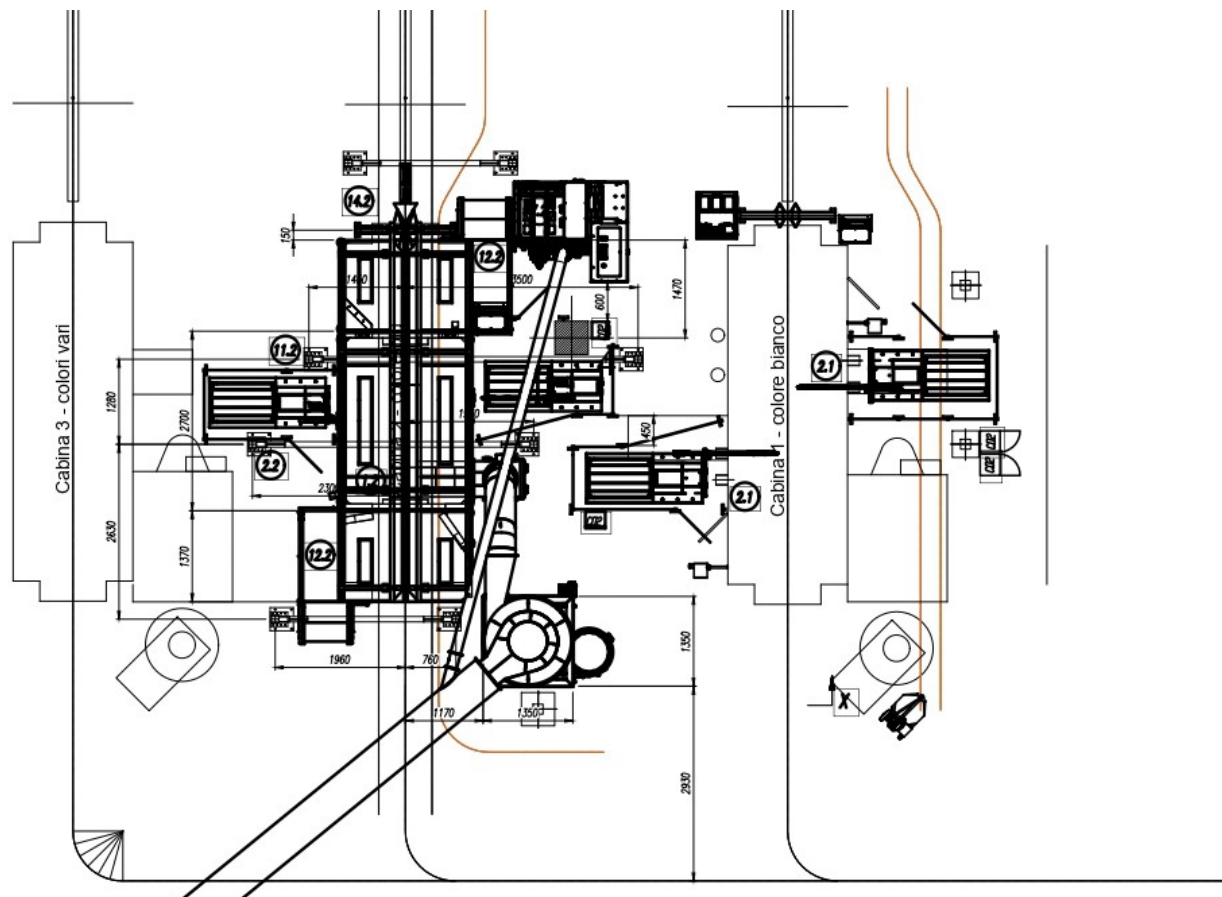
Quality increase and
fast color changes

High performance with
the new OptiFlow IG07
injectors

Fast return on
investment thanks to
powder savings

Application Success Stories

Layout



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Installation Key Data

Parts: Jobcoater
Parts Sizes: 300 x 300 mm
Conveyor Speed: 1,5 m/min

Scope of delivery:

MagicCompact® EquiFlow® BA04

- 1 x Filter for 12'000 Nm³/h
- 2 x Reciprocator ZA07-18 + XT10
- 1 x MagicControl CM 40 + Light Barrier
- 1 x OptiCenter® OC02 with OptiFlow IG07
- 1 x OptiFlex® AS06 for:
 - 8 x OptiGun® GA03-X
 - 2 x OptiSelect® GM03

Retrofit on mono color booth system:

- 2 x Reciprocator ZA07-18 + XT10
- 1 x MagicControl CM 40 + Light Barrier
- 1 x OptiCenter® OC02 with OptiFlow IG07
- 1 x OptiFlex® AS06 for:
 - 8 x OptiGun® GA03-X
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IEMCA designs and produces automatic bar feeders since 1961 and today it is the worldwide leader for every type of application for lathes, machining centers, grindings, gear cutters, and other types of machine tools.

In addition to its headquarters based in Faenza, Italy, IEMCA has production sites in the USA, China and Taiwan, as well as commercial branches in France, Germany, Brazil and Japan, and commercial partners who operate in 30 different countries from North Europe to South Africa, from South Korea to India, from Turkey to Australia.

IEMCA is always looking for innovative solutions not only to increase companies' productivity but also to improve the relationship between the user and the bar loader and to guarantee safety of the operator, minimizing the physical and cognitive efforts.

With this vision, which has always guided company decisions, the IEMCA group decided this year to review the process of surface finishing of its metal products, with a dual objective: to increase the quality level, reduce powder consumption and simplify at

most the operations of the assigned personnel.

In agreement with the project managers of IEMCA, it was therefore decided to install a new MagicCompact BA04 color change booth, and to renew the existing single color booth by replacing all the application equipment, also adapting it to the ATEX regulations.

After a short time of use of the new systems, the customer showed a significant increase in the quality of the finish and a reduction in the consumption of powder, thanks also to the new IG07 injectors. While the operators were immediately satisfied with both the color change process and the ease of managing the operating parameters via the MagicControl CM40 supervision modules.

All these benefits, highlighted by the project managers Mr. Bruno Nonni and Mr. Franco Filipponi, led to the calculation of a return on investment in a time even faster than the planned one.

Consequently increasing IEMCA's satisfaction on the investment made.

