

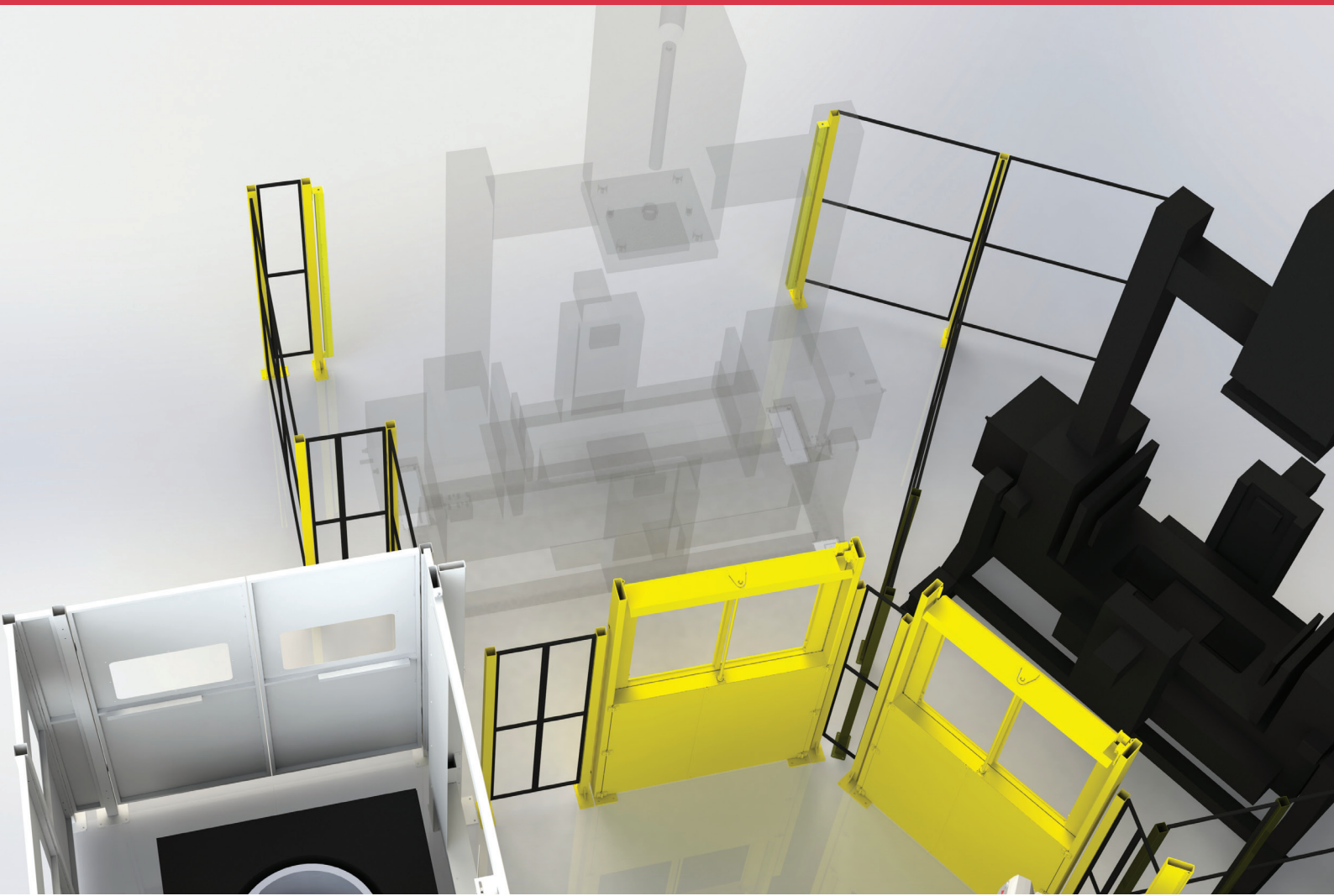
GRAVITY

Road to **STANDARD** flexibility

OLCI
ENGINEERING

A MEMBER OF EFORT GROUP

GENERAL INDUSTRY



Third casting machine integration

Optional BUILT BY YOU

GRAVITY

Built
by you

- Third molding machine integration;
- CE certification Annex IIA;
- Adaptation of the robotic cell to comply with the minimum requirements relating to the enabling technologies provided for by the “National Industry 4.0 Plan”;
- “O.L.C.I. Engineering S.r.l. cares” services (remote assistance, etc.);
- Training plans tailored to customer needs;
- Any specific options evaluated in collaboration with our specialists.

▶ SHAPE YOUR IDEAS

Compose your robotic cell

Thanks to the precious experience acquired and the innate attention to the needs of the Customers, O.L.C.I. Engineering S.r.l. can now further facilitate each production process.

The mission that has guided O.L.C.I. Engineering S.r.l. since its inception, and which still represents it, is to find continuous innovative solutions that perfectly match customer expectations, giving life to a new process of flexible standardization.

“The **FUTURE** is closer than you **THINK**”

Main characteristics

GRAVITY

▶ Road to standard flexibility

- Enslavement up to a maximum number of nr. 2 ovens and nr. 4 casting machines (fixed or tilting);
- Standard equipment with cup heating and blowing station;
- Parameterized software for the management of the payment, aimed at guaranteeing the highest quality of the process;
- Maximum metal weight: 30 kg;
- Possibility of using the main robot brands on the market;
- Adequacy to the latest and highest safety standards dictated by the Machinery Directive;



Main characteristics

- ▼ **Possibility of pouring into molds with or without “avantazza”, with or without tracking of the tilting, by means of a casting arm equipped with a seventh interpolated axis.**
- Drastic reduction in plant downtime, high flexibility and efficiency mainly determined by:
 - Die-casting machine segregation systems for the operations of discharging jets and any maintenance during the normal process cycle of the Robot;
 - Automatic oven segregation system;
- User friendly user interface;
- Predisposition for remote connection and “Graphic Remote Control O.L.C.I. Engineering S.r.l.” remote assistance service;
- Full compatibility with the requirements dictated by the “National Industry 4.0 Plan”;
- Personalized training plan, held by highly specialized O.L.C.I. Engineering S.r.l. personnel;
- Possibility to take advantage of all the advantages deriving from O.L.C.I. Engineering S.r.l. Cares services.

GRAVITY

For enslavement
of n° 2 moulders and n° 2 ovens

Basic

- 6-axis anthropomorphic robot, with capacity at the wrist equal to 205 kg and characteristics suitable for the process in foundry environments;
- Base for fixing and supporting the robot;
- Casting arm, complete with interpolated seventh axis and thermocouples;
- Blowing box;
- Cup heating thermo lance;
- Accident prevention fencing system, complete with perimeter panels, interlocked access / service gates, segregation systems for casting machines and ovens;
- Electric equipment;
- Study, design, assembly, wiring, programming and pre-testing at the O.L.C.I. Engineering S.r.l. factory;
- Installation, commissioning and testing at the Customer's plant;
- CE certification Annex IIA;

BASIC package



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