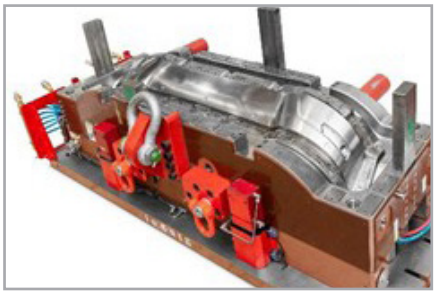
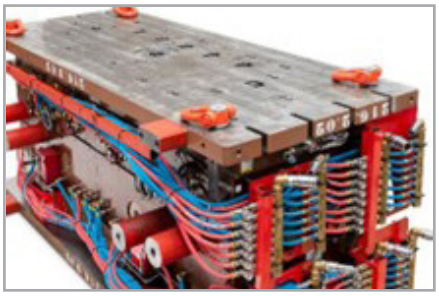
PLASTIC INJECTION MOULD MANUFACTURING





Technical lifting solutions for the safe and precise handling of injection moulds

The manufacture of plastic injection moulds requires extreme precision at every stage: design, assembly, testing and maintenance. Lifting operations are frequent and delicate, whether handling complete mould blocks, moving cavity inserts or repositioning guiding components. In this context, the reliability and adaptability of lifting equipment are essential to prevent damage to tooling that is often highly valuable.
CODIPRO offers a range of lifting rings and specialised systems designed to ensure smooth, safe and compliant handling in line with the requirements of the plastics industry.

Recommended products for plastic injection moulds

GRADUP lifting rings

Thanks to their double swivel, GRADUP lifting rings ensure precise alignment with the direction of pull, reducing unwanted stresses and minimising the risk of pull-out. Their exceptional robustness makes them perfectly suited to the repeated handling of heavy and bulky moulds. The range includes several models (male or female fixing, metric or UNC threads) to accommodate specific mould configurations.

Blocking springs

CODIPRO lifting rings can be equipped with a blocking spring that keeps the ring shackle in a vertical position when not under load. This feature is particularly useful in production environments, as it eliminates unnecessary handling and ensures optimal positioning from the start of the lifting operation.

QLR (Quick Lift Ring)

In environments where mould maintenance operations are frequent, the QLR saves valuable time. Its quick-attachment system enables rapid handling while ensuring maximum safety, even in demanding lifting conditions.

Centralised lifting systems

For large moulds, even load distribution is essential. **SLM** systems allow multiple lifting points to be raised simultaneously and safely. This reduces the risk of deformation or tilting during lifting and mould rotation operations.

The **ARC** is a lifting point specifically designed for mould handling operations, particularly in industrial environments where changeovers are frequent and must be carried out quickly. It consists of a robust lifting arch fixed to the load by two bolts, ensuring excellent stability even under high loads.

The **CSS** is a screw-in lifting ring specially designed for linear lifting in confined environments.

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Thanks to its ultra-compact design and extra-wide shackle clearance, it integrates easily into restricted spaces or low-clearance areas, such as inside machines or confined work zones. The CSS provides optimal swivel in all directions, ensuring precision and safety even in the most complex lifting configurations.

The **ELR** system is an innovative lifting solution designed for cubic or irregularly shaped components, such as mould blocks. It automatically distributes the load across several lifting rings while reducing mechanical stress on the threads. The ELR therefore ensures stable lifting without tilting or torsion.

Specifically developed for the plastics industry, the **MLA** is a modular lifting assembly that allows several lifting rings to be mounted on a common frame. It ensures even load distribution, optimises the handling of complex moulds and enables quick, safe and standardised installation. It is the ideal solution for manufacturers seeking a comprehensive, standardised and scalable approach to mould lifting.

Compatibility with Elebia smart hooks
All our centralised lifting systems are fully compatible with Elebia automatic hooks, enabling remote attachment and release without manual intervention.
This combination makes it possible to:

- Reduce accident risks associated with personnel working beneath suspended loads
- Save time during repetitive lifting operations
- Automate certain processes to improve productivity

Your benefits

- Protection of **mould integrity** through optimal lifting ring swivel
- Reduced **handling time** during maintenance operations or production changeovers
- Systems adapted to **constrained production environments** and **restricted spaces**
- **Materials resistant** to abrasion and to chemicals commonly used in plastics manufacturing workshops
- Full **traceability** and **CE compliance** for all products

Do you work with large-scale or high-value moulds?
Our solutions ensure reliable handling, even in the most demanding conditions.

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