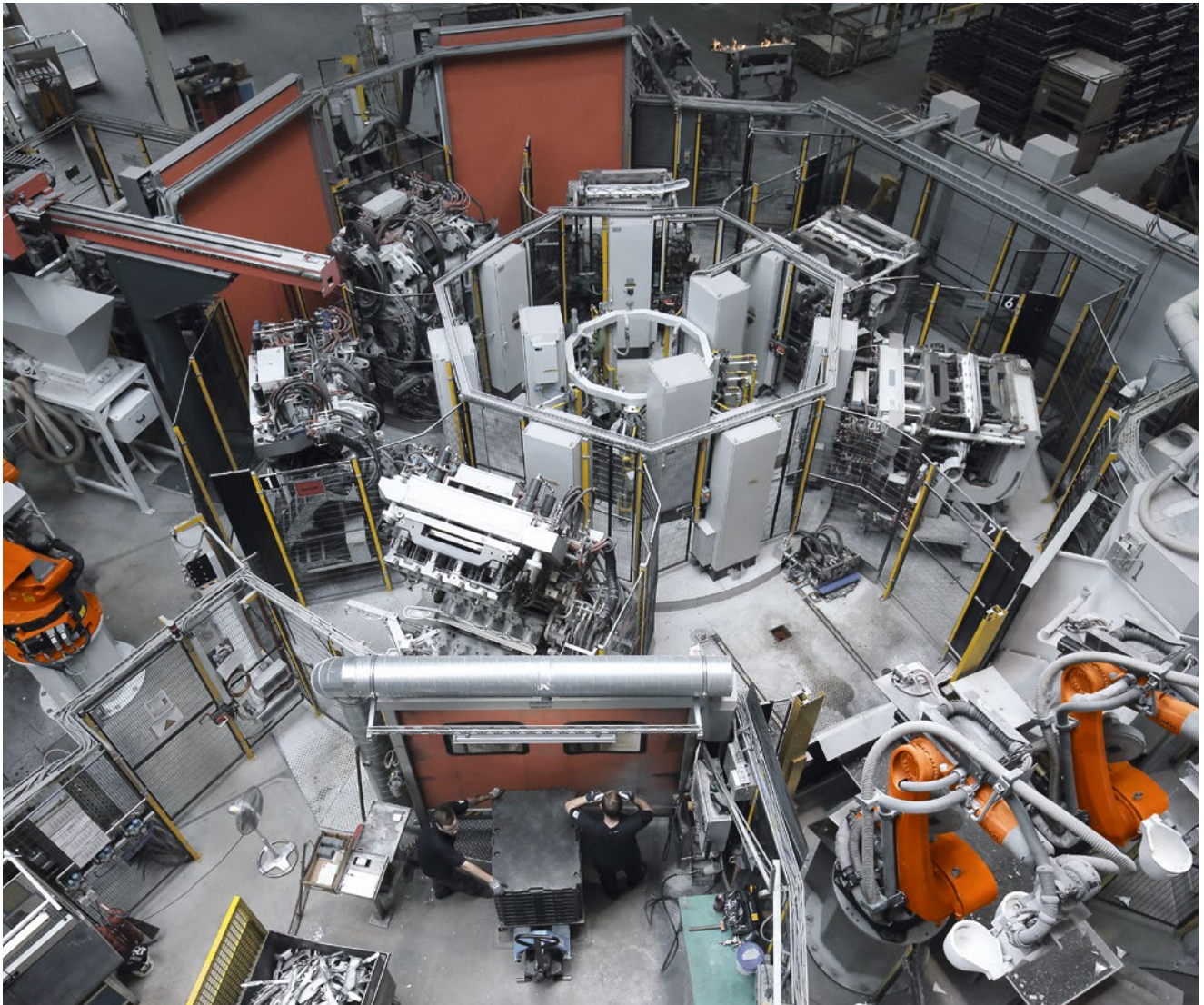


Casting Solutions_Gravity Casting Machine



The innovative drive, operation, and control concept of the KUKA gravity casting machines offers you best conditions for an optimal casting quality.

Gravity casting: the process

The gravity casting machines serve their purpose efficiently and are easy to handle. The core – matched for your individual requirements – is inserted into the mold automatically or manually. After closing of the mold, the casting procedure is executed. The swivel movement is implemented via a servo drive.

Synchronized filling procedure of the gravity casting machine

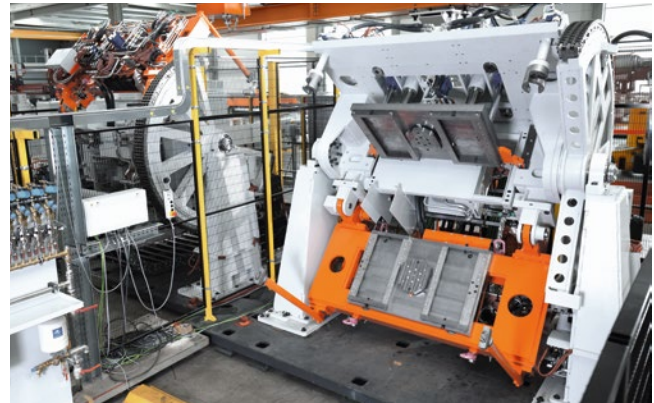
The primary feature: The pouring-in movement of the robot here is precisely matched for the tilting movement of the gravity casting machine. Thus, the component is evenly cast from the bottom to the top. This ensures an optimal, exact filling process.

Casting Solutions_Gravity Casting Machine

Advantages in gravity casting

The gravity casting machines are available in different versions both as single and as double tilting casting machines. All versions convince with the same advantages and can be used flexibly and efficiently in your production:

- Robust and torsion-resistant mechanics
- Innovative, low-play drive concept
- Exact positioning due to servo drive
- Also suitable for linear casting cells and casting turntables
- Interface for media system available (for example gas or cooling)



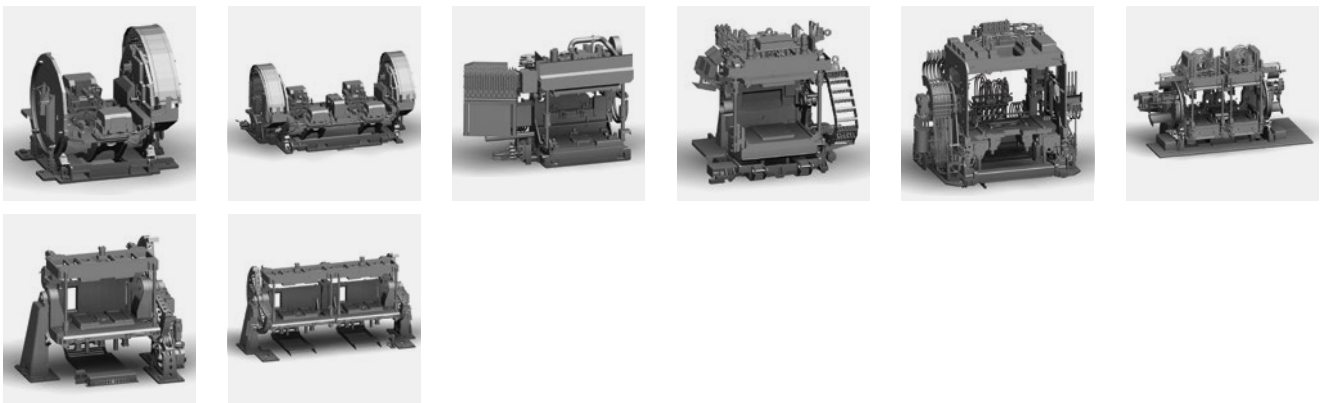
Intuitive programming and control of gravity casting

The gravity casting machine is controlled via an app and thus offers you an extremely comfortable and intuitive handling:

- Own casting machine control programmable via TIA portal
- Freely programmable casting curve and tilting speed
- Freely controllable heating and cooling circuits
- Touch operation
- Recipe administration



Portfolio gravity casting machines



For further information please contact us at casting.industries.de@kuka.com