

Stand-alone ingot feeder

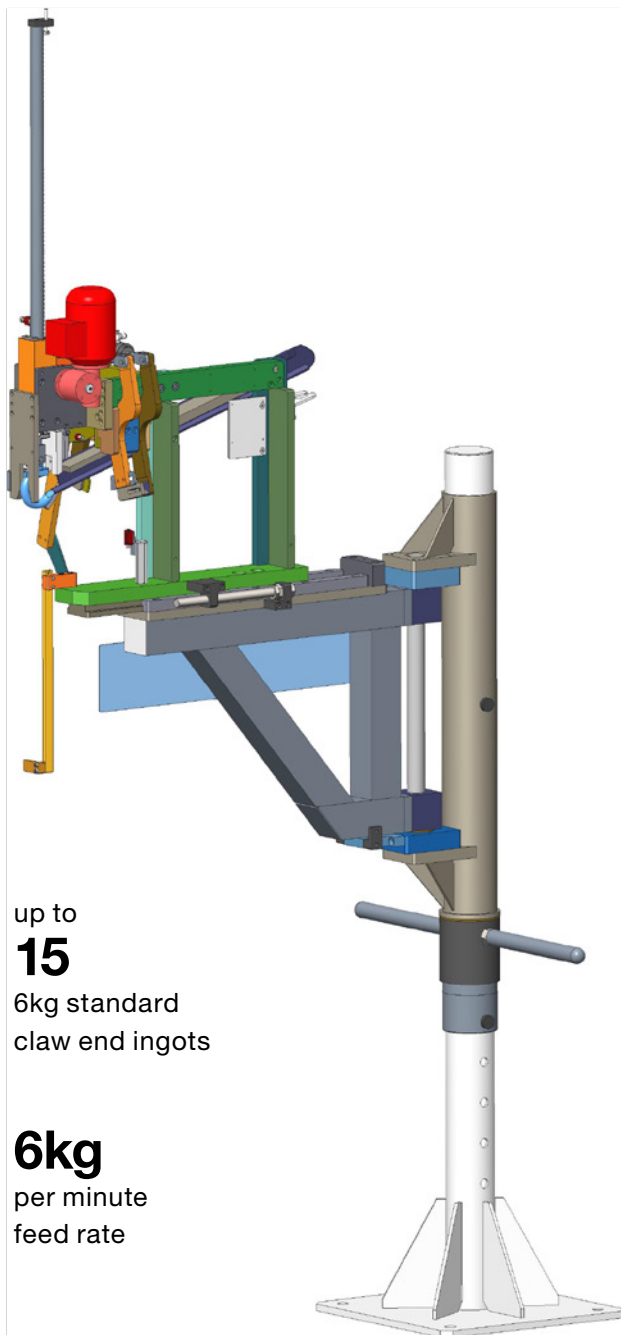
Die casting machine accessory



Optimising die casting production with reliable, efficient, and consistent automation

In the precision die casting industry, ensuring reliable and consistent production is crucial. At Titus Technologies, we recognise the impact that fluctuations in melting pot temperatures and levels can have on machine efficiency and casting quality. That is why we have developed an automatic stand-alone ingot feeder that delivers precise control over metal temperatures and levels, leading to remarkable gains in productivity, enhanced production quality, and an optimised manufacturing process.

- **Compatible** - can be used with conventional and multi-slide die casting machines as well as all Titus proprietary LamaCaster die casting machines
- **Flexible** - designed to work with standard claw end ingots, ensuring easy integration and smooth operation
- **Consistent casting quality** - enhanced casting quality and process efficiency by ensuring precise control of melting pot temperatures
- **Optimised manufacturing process** - maximised productivity and minimised cost and downtime, with fast and consistent feed rate



up to
15
6kg standard
claw end ingots

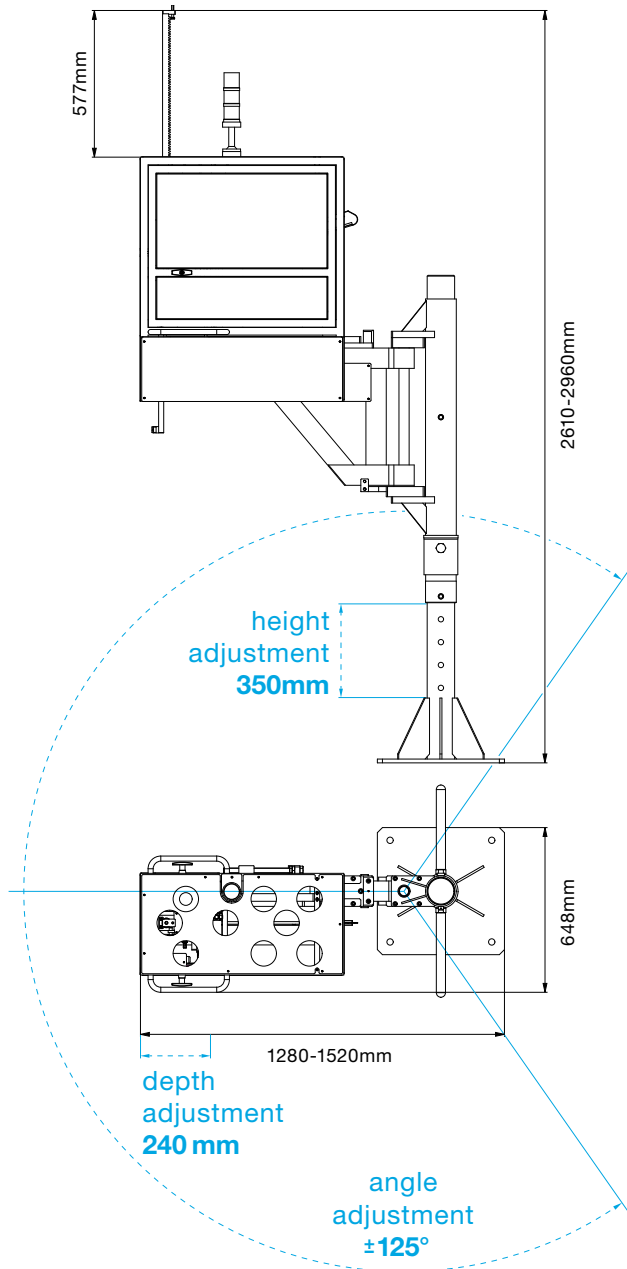
6kg
per minute
feed rate



Compatible and flexible

Our stand-alone ingot feeder is a versatile option that can be used with conventional and multi-slide die casting machines.

The ingot feeder is compatible with most standard claw end ingots available from most zinc suppliers. It works with standard 6kg claw end ingots, with a maximum capacity of 15 ingots (approx. 90kg), and a feed rate of 6kg per minute.



Adjustments and positioning

The stand-alone ingot feeder is equipped with a set of adjustments that allow for optimal feed position near the melting pot.

Ingot feeder's vertical and horizontal settings enable its secure and precise placement near the machine. Additionally, the ingot feeder can be rotated up to 125° in both directions, providing improved access to and easier maintenance of both the ingot feeder and the machine.



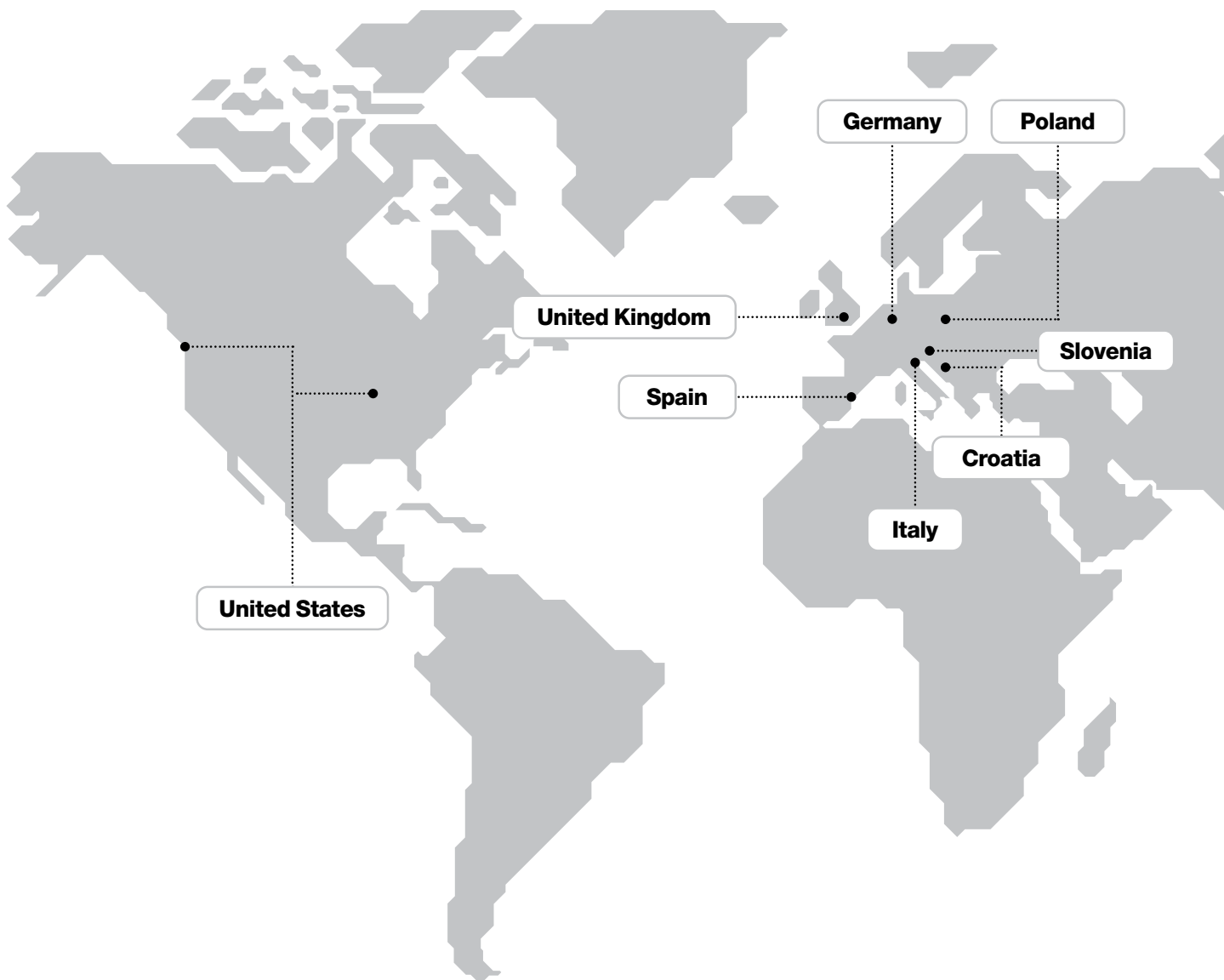
Consistent casting quality

The use of an ingot feeder in the die casting process enables tight control of the melting pot temperatures and ensures that all related variables are closely regulated, resulting in a more efficient process and consistent casting quality. This eliminates the risk of the melting pot running empty if operators fail to load ingots on time, preventing issues such as adding cold metal rapidly or stopping the machine to achieve the correct melting level.



Optimised manufacturing processes

In addition to tighter process controls, the ingot feeder can help optimise staffing costs. With an automatic ingot feeder, the machine can run unattended for longer periods of time, reducing the need for constant manual feeding. As a consequence, staff numbers can be optimised or re-directed to tasks that add value to the manufacturing process.



United States

United Kingdom

Spain

Germany

Poland

Italy

Croatia

Slovenia



Titus Technologies

Experts in multi-slide die casting

Titus Technologies, a division of the Titus Group, specialises in the development and manufacture of automated assembly systems, high-pressure multi-slide die casting machines, production of complex small zinc die castings, and ultrasound fastening technology for the electrical, automotive, medical, home appliance, and metal-processing industrial sectors.

Drawing upon our experience in high-volume furniture hardware manufacturing, we deliver innovative solutions that optimise productivity, lower manufacturing costs, and ensure consistent product quality.

With a focus on our 'Totally integrated engineering' approach, we provide comprehensive solutions that seamlessly integrate design, production, and assembly processes. By utilising our technical competences, we empower our customers to achieve enhanced efficiency and competitiveness across various industries.

Engineered for Purpose

Titus is committed to providing its customers with products and services that improve their competitiveness, while reducing manufacturing and assembly costs.



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