



FOUNDRY INSIGHT

Improving Performance in Production

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PYROTEK BOTTOM-POUR LADLE – MANUALLY OPERATED



Pyrotek manual bottom-pour ladle system in operation

ALL THE ADVANTAGES OF BOTTOM-POUR WITHOUT THE EXPENSE OF A ROBOT

The unique Pyrotek bottom-pour ladle system is designed for the foundry that wants to take advantage of the process benefits of bottom filling and pouring of metal without incurring the expense or disruption to shop-floor logistics of installing a robot. This manually-operated system is designed to accommodate pour weights from 10–140 lb (4.5–63.5 kg) and this large capacity can eliminate the need for moulds to be poured by more than one operator.

System features have been devised for optimum ease of operation and production performance: equipment controls mounted on the handles of the unit allow full operation by one person. A self-aligning system is incorporated for both ladles and rod, and an adjustable angle of the handle enables precise ergonomic positioning of the equipment during operation. Furthermore, a ladle stand facilitates easy access to the ladle and rod for cleaning and maintenance purposes. All controls are pneumatic and the system includes an air hoist for ease of handling and transfer.

The range of key process benefits for the foundry includes attractive improvements in both metal quality and head pressure and significantly reduced labour requirements in pouring larger moulds.

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