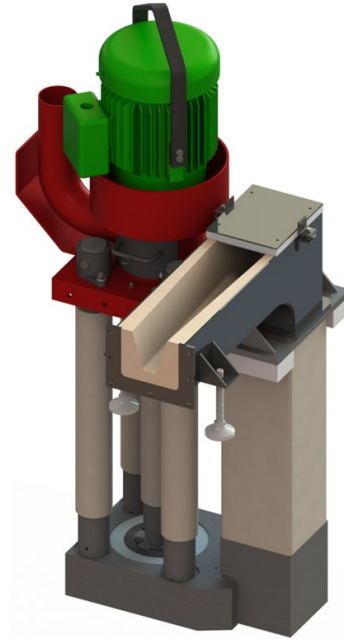


HYDRA Transfer Pump

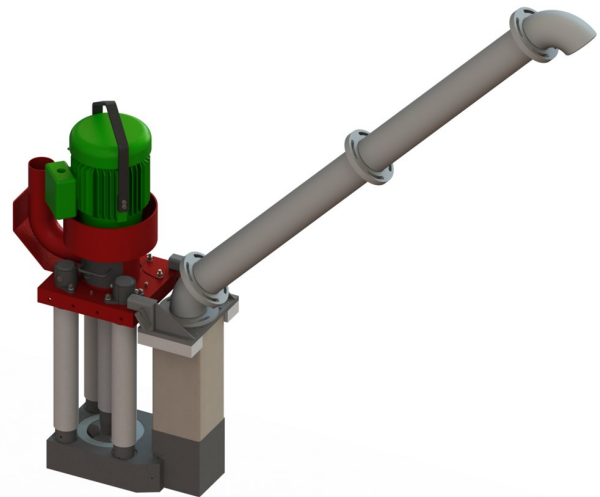
New, multi-configurable transfer pump for use with molten metal, can be configured for use with:

- ▶ **Launders**
- ▶ **Transfer Piping**
- ▶ **Heated Piping for Dosing**

- The HYDRA Transfer Pump Technology is a unique design whose outlet can be configured with a launder, transfer piping, or heated piping.
- Choose the launder for cleanest transfers for minimum dross and maximum metal quality.
- Transfer piping can be used when high lifts are required.
- For dosing applications, heated piping is recommended to maintain a bias in the pipe for fast, accurate doses.
- Sealed transfer passageway improves transfer performance.
- Small footprint allows it to fit in tighter spaces.
- Rugged pump construction, built for the harsh molten metal environment.
- Available in 3 sizes: the MINI, WORKHORSE and KONG models.

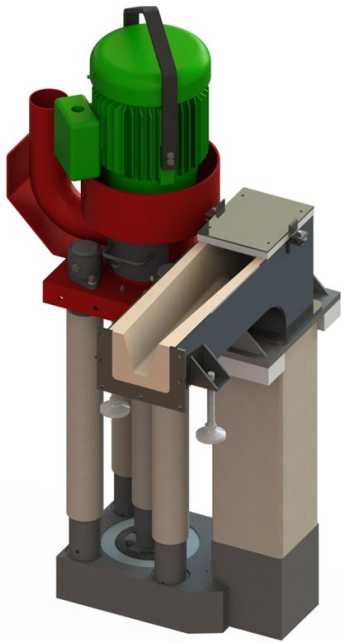


HYDRA Transfer Pump shown configured with a launder.



HYDRA Transfer Pump shown configured with piping.

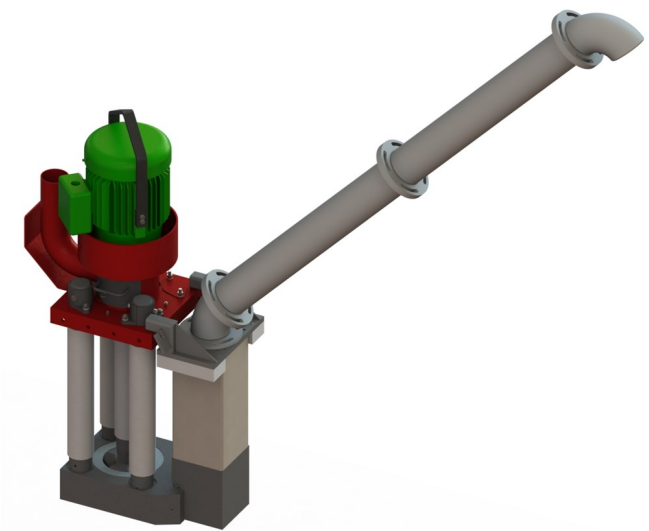
Laundry Configuration



When configured as a launder transfer pump, the HYDRA pump provides many benefits:

- All metal movement is subsurface for quiet, turbulent-free transfers to maximize metal quality and minimize dross formation.
- Can be used to fill ladles quickly and safely.
- Flow control can be automated to feed a continuous casting operation very accurately.
- With special launder design, it can be used to dose accurate amounts for the direct filling of casting molds.
- Electrically driven, the pump offers variable flow rates.
- Launder can be directed left, right, or straight ahead.
- Pump, riser and launder are all attached together making it easier to insert and remove from the metal.

Transfer Pipe Configuration



When configured with piping, the HYDRA pump offers unique benefits:

- Pump can generate greater pressure for those applications that need to deliver metal to a higher point.
- Great for filling tall ladles, transfers between furnaces, and other applications.
- Can be used with heated piping to accurately dose directly into molds or the shot sleeve of die casting machines. Offers faster shot times, larger doses and shorter cycle times than other available technologies—all while maintaining an accurate dose.
- Tightly sealed transfer passageway ensures higher lifts and accurate doses.
- Pump offers variable flow rates so it can be used with a wide range of requirements.

Who to Contact for More Information



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The new HYDRA Transfer Pump offers unequalled versatility and maximum performance in a wide range of applications. One more way MMEI is providing "Innovations that count!" Contact MMEI today for more information or for a proposal showing how we can meet your transfer requirements.