

BATCHPILOT™

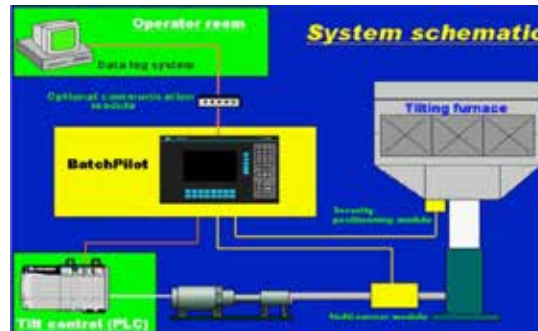
FURNACE HEEL AND TRANSFER WEIGHT AUTOMATED SYSTEM

Is a system developed by Hades Inc. of Canada, for accurate electronic measurement of furnace heel and transfer weights to +/- 250kg and is based on the principle of measuring changes in the furnace hydraulic cylinder pressure with furnace tilt angle.

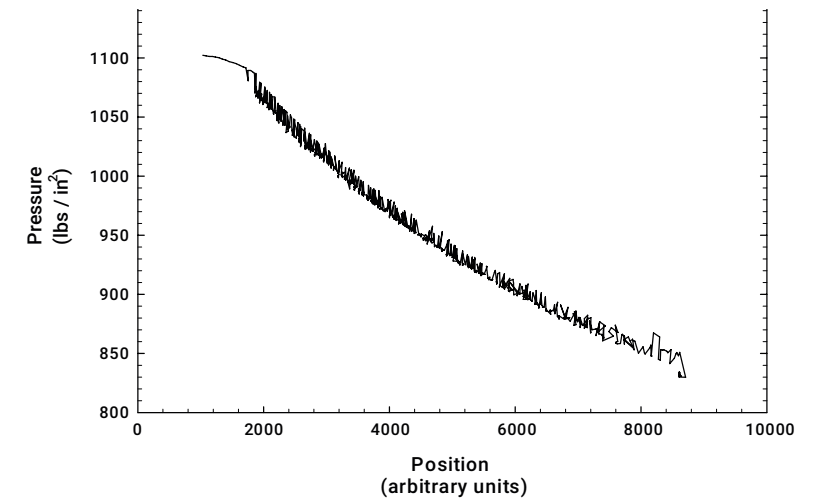
BENEFITS

- Increase production by up to 10% from existing furnaces with a simple retro fitted device that accurately measures furnace liquid metal weight
- Increase in furnace availability due to increase in “right first time” batching
- Increase in number of ingots per cast
- Elimination of short casts
- Increase in yield due to reduction in over length casting
- Saving in energy due to reduced furnace waiting times
- Fully automated and integrated into batching process
- Easily fitted to existing furnaces without interruption of production
- Simple calibration process
- Measures furnace build up
- On line process data log of all furnace weights.

The system has successfully been in production usage for over 10 years with fifty five units installed in casthouses around the world.



Pressure as a function of the position (tilting angle) during a cast



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Knowing the correct weight of metal in the furnace is a real step forward to higher customer satisfaction in that all the slabs supplied are now consistently of the precise length as specified by the customer in their order.

- The Alunorf ProductionTeam

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