

Metso

Process Advisor

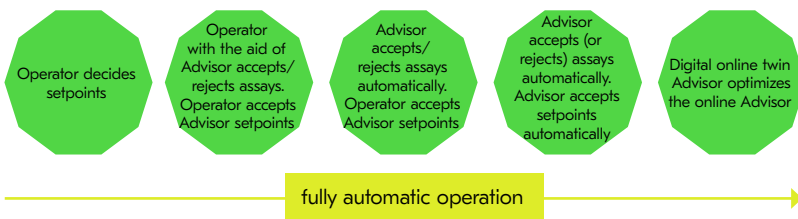


The Metso Process Advisor is available for Cu and Ni smelting furnaces and electric furnaces. It connects the control system and laboratory while providing different levels of automation for the client.

Process Advisor in a nutshell

Process Advisor is an upper level control system, which calculates the main setpoints for the process. The model is based on a combined feedforward and feedback dynamic heat and mass balance model, which give an optimal estimate of the current process state. Benefits have included a unified way of operation, lower slag losses, improved product quality control (matte, blister, slag) and more stable furnace control leading to an estimated several years of additional furnace campaign life.

Different levels of automation:



Main User Interface

The user interface is intuitive and includes all relevant information of the process. A traffic light indication system is used to guide the operator on assay compositions and calculation results.



Read more at: www.metso.com/portfolio/process-advisor

Product range

The Process Advisor is available also as several expansion sets:

- Process Advisor Online dynamic simulation and control model for process control (basic set)
- Process Advisor Blend Planner Offline model for planning and optimizing blend composition
- Process Advisor Online Digital Twin for continuous optimization of the process control
- Process Advisor Training platform for classroom training of operators

Benefits

- Helps standardize operation between shifts
- Stabilizes the process
- Improves the overview of the current process state
- Increases campaign life through more stable furnace control
- Lowers slag losses
- Increases production with consistent product quality