Steel flow control
Automation and control commands to reach process control excellence

Automation package includes
• Hydraulic power unit and dedicated valve blocks
• Heavy duty hydraulic, pneumatic or electro-mechanic actuators
• Precise tundish weight control
  > Unique open loop control without position feedback
• Accurate mold level control for slide gate or stopper control
  > Auto-casting startup is standard procedure
  > Cast interruption/restart procedures
  > Safety shutdown procedures
• Sensor for steel level measurement in the mould
• Automation of nozzle and tube change procedures
• One button tube change routine
• Automatic supervision of inert gas applications
• State-of-the-art operator stations

Process supervision package
• Automated diagnostic tools applied prior to cast start
• Comprehensive user interface (HMI)
• Data logging and analysis
• Tracking of key performance indicators
  > Erosion index, clogging index, …
• Statistical analysis tools
• FFT signal analysis routines

Hydraulic power unit
Hydraulic unit interface
Operator panel
Argon control unit
HMI - Human Machine Interface
Main control cabinet
HMI - Human Machine Interface
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VESUVIUS reserves the right to modify and/or improve the equipment as described and specified in this leaflet, at any time according to the state-of-art.

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AUTOMATION

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For more information on this product and on our complete package of solutions please contact our local service center.