



A Comprehensive Voice Expansion System Designed for Pipe Organs

Physis® physical modeling technology

620 user-selectable voices

User-adjustable voicing

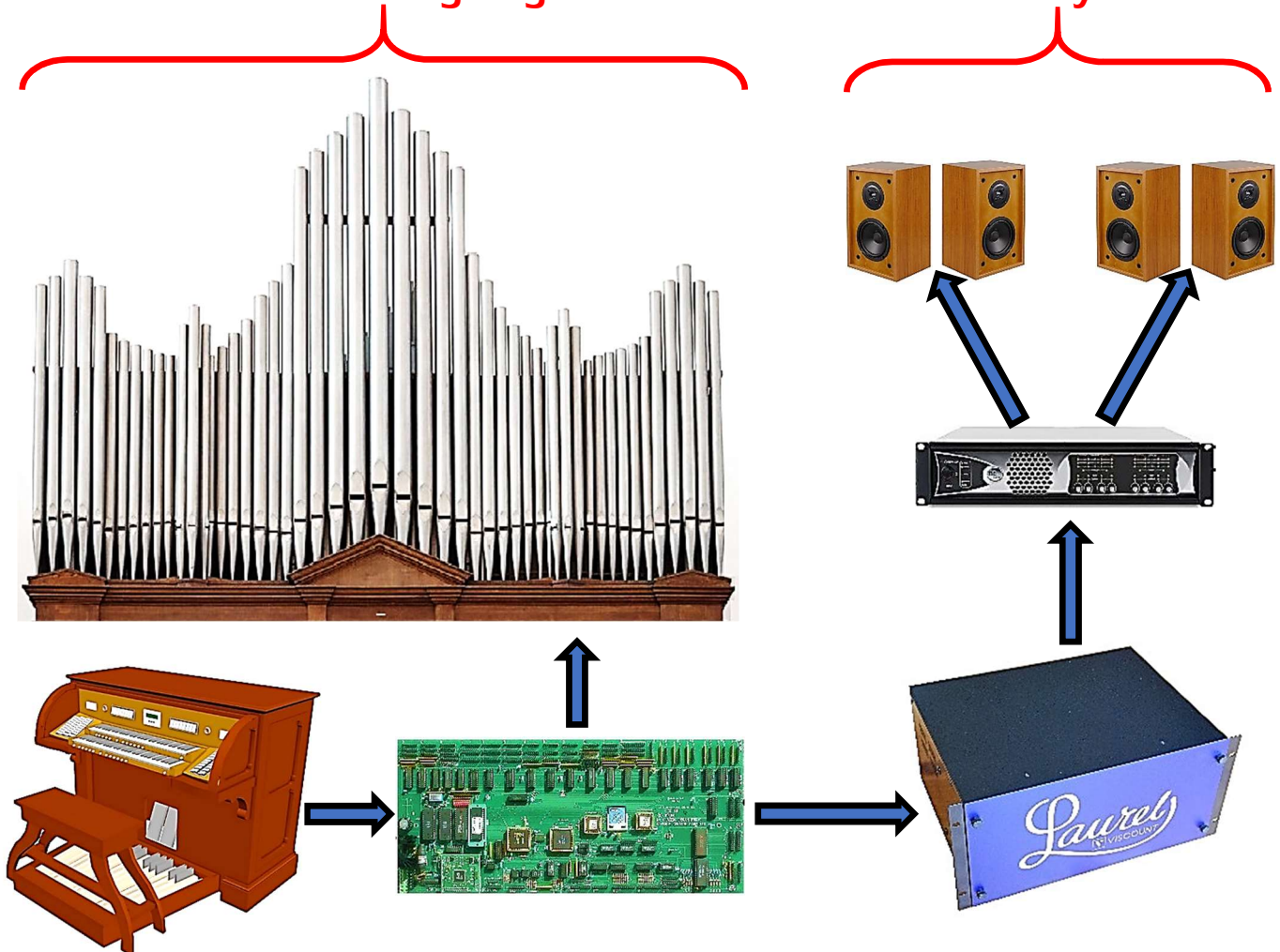
Auto-tracking tuning

Standard or custom amplification systems

Integrates with a new or existing solid state control system

New or Existing Organ

Laurel System



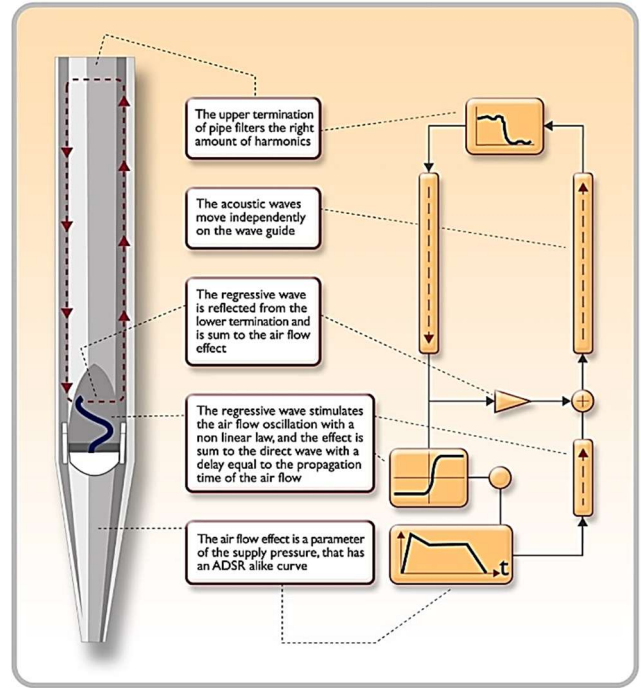


What is physical modeling with Physis®?

Physical modeling with Physis® technology involves the real-time calculation of the generated waveform by precise mathematical models (formulas, equations, algorithms) which are based on the physical properties of actual organ pipes. The models are designed to synthesize/simulate/emulate the original source by incorporating the essential physical parameters of the pipes, such as their geometry (size and shape), materials used (wood or different metals), air pressure, etc. The output is produced by the real-time mathematical computation of these models.

What is the benefit?

One benefit of Physis® technology over “sampling” technology is flexibility in voicing. With “sampling” technology the voicing process is limited to the manipulation of the harmonic content of a static, pre-defined recording of a pipe. But **with Physis® the user can alter the character of the sound as if he/she were actually changing the physical properties of an organ pipe**, thus affording the user the voicing flexibility never before possible.



Informational videos can be found at <https://www.viscount-organs.com/technology/physis-specifics/>



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