For hundreds of years the classic organ has offered power, majesty and creativity to the musician that commands all the sounds possible through its configuration. It transforms the performer’s inner feelings and the composer’s intentions into an experience of magnificent proportion to the listener. Viscount now makes it possible for organists throughout the world to experience the thrill that here-to-fore could only be experienced by those musicians and listeners fortunate enough to play on, and listeners to hear in person, organs in the finest cathedrals and venues around the world.

Physis technology, through its Unico instruments, can now perfectly reproduce the sound, ambience, and configuration of any organ found in famous venues around the world. Physis technology, using an advanced multi-processor platform, allows an unprecedented huge calculation power. The DSP array architecture is based on the floating-point state of the art, third generation of SHARC® Processors by Analog Devices. Each of them is capable of 2.4 GFLOPS peak performance. Physis, with up to 8 SHARC® Processors, can send and process in excess of 12 Billion instructions per second (sustained rate), thus providing the power to accomplish what digital sampling cannot.

It is difficult to separate the natural sound an organ produces from its interaction with its surrounding architecture. Each has an effect on the other. Space and volume are the main architectural contributors effecting sound, especially when the sound is produced by something as unique as a windblown pipe. Each hand-made pipe, with its own height, thickness, design and imperfections, speaks differently into its environment.
Physis physically models the sound by measuring an organ’s natural and physical attributes, as well as its interaction with its environment. Then Physis rebuilds that sound through modeling technology, not storing samples like older technologies, but rebuilding all the details through complex algorithms, down to the smallest imperfections - those elements that give the original instrument its character and warmth. Physis creates its sound so that it is ever changing, like the organ used for the model, however it can be adjusted to accommodate the desires of the most demanding organist, or acoustically deprived environment.

Today, with the introduction of Physis Technology, Viscount has succeeded in reproducing sound waves just as they would emanate from a windblown pipe organ-each with its own autonomy, individuality and unique characteristics. Viscount's Unico instrument, using Physis, produces a reproduction of each note's sound wave just as it sounded in the original organ. Since there are no "breaks" or "split-points", as found in sampling technologies, the progression of sound across the keyboard is accurate, smooth and natural.

However, the shapes of Physis sound waves are open, thus, making it is possible to edit, modify and extend their structure. They produce a tri-dimensional sound. Physis speaks, not just with "Left-to-Right" motion, as currently done with older technologies, but also with "Front-to-Back" and "Up and Down" motion as they do in real windblown pipes.
Technology

The electronic organ, as with all sophisticated electronic devices, comes from an information technology environment.

For this reason, in the Unico series we adopted Linux, a Unix-like and open source operating system, developed for personal computers. Linux is totally transparent to the organist, who’ll continue to use his instrument like he does today, but with a lot of benefits in terms of connectivity and integration with the personal computers world. Linux supports, for example, the whole USB world (both as master or device), ethernet connection, IP protocol (Internet) and many other protocols and hardware peripherals.
with its three manuals, 56 voices, drawstrokes arrangements and luxury cabinet, offers the perfect environment to experience the amazing capabilities of Physis.
Keyboards
- 3 x 61 notes “tracker touch” keyboards, with velocity control for MIDI and Orchestra sections.
- Optional with wooden keys

Pedalboard
- 32 notes straight, straight concave, radiating concave

Audio Amplifiers
- 6 x 60 Watt + 1 x 100 Watt, 7 channels internal amplification system

Speakers
- 13

Expression Pedals
- 2 Wooden Pedal

Crescendo Pedal
- Wooden Pedal 16 step programmable

Stopping and Voices
- Pedal
  - 12
- Man I
  - 15
- Man II
  - 15
- Man III
  - 15

Total Speaking Stops
- 56 + 7 Orch. Hundreds voices in the internal sound bank

Sound Styles
- 4 Preset + 4 User. Hundreds Sound Styles can be loaded and/or stored from/to internal memory and
  - Pen Drive

Alternative Voices
- Selectable additional sound for each Stop

Orchestra Voices
- Selectable additional sound for each Stop

Accessories
- General Pistons
  - 10
- Divisional Pistons
  - 6
- Memory Bank
  - 16
- Memory Segments
  - 6 (A,B,C,D,E,F)
- Total Memories
  - 960 General, 3840 Divisional, tens of thousands with Pen Drive
- Piston Sequencer
  - Prev - Next Pistons and Toe Studs
- Return to Handset Registration
  - Individual HR for General and Divisional Pistons
- Toe Studs
  - 22
- Console On - Ext. Out Speakers On
  - Yes
- Reed Cancel - Mixture Cancel
  - Yes
- Automatic Pedal
  - Yes
- Enclosed piston
  - Yes
- Couplers
  - 6 With Stops, Pistons and Toe Studs
- Transposer
  - 6/4+5

General Volume - Reverb Volume
- With Rotary Potentiometers

Divisional Midi Enable
- Yes

Organ Solo Piston
- Solo Coupler

Midi Solo Piston
- Solo on Midi Out

Orchestra and Midi Sustain
- With Expression Pedal Switch

Pen Drive Mass Storage
- Usual USB Pen Drive can be used as Mass Storage

Key ON/OFF Power Switch
- Yes

Sequencer Remote Control
- Optional Radio no directive 50 mt distance Remote Control with built in 2x16 display

Display
- 128 x 64 dots Graphic with Backlight
- Stop by stop adjustable voice parameters

Divisional Volume
- Separate for each Division

Tremulant
- 3 Separately for each manuals Depth and Speed adjustable

Reverb Type
- 8 Types

Ensemble Effect
- Adjustable

Air Pressure Effect
- Proportional to the active Voices

Tracker Keyboard Effect
- Yes

Historic Temperaments
- Kirnberger II, Kirnberger III, Werckmeister III, Werckmeister IV, Werckmeister V, Valotti, Silbermann
  - I, Silbermann II, Kellner 1975, Meantone, Meantone pure minor third, Zarlino, Sauveur I, Sauveur II
  - Barca, Rameau, Pythagorean, each with programmable “Tonic” Key Note

Choice/Great Keysboards
- Robot

Piston Combine
- Great/Pedal Divisional Piston Combine

Output Router
- Step by step adjustable Windchest layout

External Out Volume Control
- 13 (21) independent out volume control

External Out 5 Band Equalizer
- 13 (21) independent out 5 Band Equalizer

Midi Programmable
- Yes

Sequence
- Yes

Demo Songs
- Copy, Load, Save, Rename, Delete etc. under Linux Operating System

File Management
- With Password

Connections
- Midi In, Out, Thru
  - Yes
- Stereo Headphone Out
  - Yes
- Stereo Aux In
  - Yes

Mic in
- With Gain Control

Multiple Line Out
- 13, 21 with Output Expansion Board

USB to PC (For Viscount Organ Editor)
- For finest finishing and personalization like Stop by Stop, Note by Note Volume and Pitch

USB for Pen Drive
- Regulation, Stop disposition, Internal and External Routing, etc.

Console
- Width x Height x Depth with Pedals
  - 178 x 131.5 x 117 cm
- Weight
  - 292 Kg

CONSOLE
- Width x Height x Depth without Pedals
  - 178 x 131.5 x 78 cm

Description
- Elegant Wooden Console Moldings, Elegant Wooden Lighted Music Rack, Wooden Roll Top with Key
  - Lock, Bench with Music Storage Shelf
unico400

with its 3 manuals, 56 voices, tilt-tab stop arrangement and the same Unico 500 stop library, provides everything conveniently at your fingertips to experience the power of Physis’s modeling technology.
### Keyboards
- 3 x 61 notes “tracker touch” keyboards, with velocity control for MIDI and Orchestra sections.
- Optional with wooden keys.

### Pedalboard
- 32 notes straight, straight concave, radiating concave.

### Audio Amplifiers
- 4 x 60 Watt + 1 x 100 Watt, 5 channels internal amplification system.

### Speakers
- 9

### Expression Pedals
- 2 Wooden Pedal

### Crescendo Pedal
- Wooden Pedal 16 step programmable

### Stops and Voices
- **Pedal**
  - 32 notes straight, straight concave, radiating concave
- **Man I**
  - 12
- **Man II**
  - 15
- **Man III**
  - 17
- **Total Speaking Stops**
  - 6 + 4 x 7 Orch. Hundreds voices in the internal sound bank
- **Sound Styles**
  - 4 Preset + 4 User. Hundreds Sound Styles can be loaded and/or stored from/to internal memory and Pen Drive
- **Alternative Voices**
  - Selectable additional sound for each Stop
- **Orchestra Voices**
  - Selectable additional sound for each Stop

### Accessories
- **General Pistons**
  - 10
- **Divisional Pistons**
  - 6
- **Memory Bank**
  - 16
- **Memory Segments**
  - 6 (A,B,C,D,E,F)
- **Total Memories**
  - 360 General, 3840 Divisional, tens of thousands with Pen Drive
- **Piston Sequencer**
  - Prev - Next Pistons and Toe Studs
- **Return to Handset Registration**
  - Individual HR for General and Divisional Pistons
- **Toe Studs**
  - 22
- **Console On - Ext. Out Speakers On**
- **Reed Cancel - Mixture Cancel**
- **Automatic Pedal**
- **Enclosed piston**
- **Coupures**
  - 6 With Stops, Pistons and Toe Studs
  - 6/+6
- **Transposer**
- **General Volume - Reverb Volume**
- **Divisional MIDI Enable**
- **Organ Solo Piston**
- **Solo Coupler**
  - Solo on Midi Out
- **Orchestra and MIDI Sustain**
- **Pen Drive Mass Storage**
- **Key ON/OFF Power Switch**
- **Sequencer Remote Control**
- Optional Radio no directive 50 mt distance Remote Control with built in 2x16 display

### Display
- 128 x 64 dots Graphic with Backlight
- Stop by stop adjustable voice parameters
- Separate for each Division
- 3 Separately for each manual’s Depth and Speed adjustable

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### Composition

#### Reverbation
- 8 Types

#### Ensemble Effect
- Adjustable

#### Air Pressure Effect
- Proportional to the active Voices

#### Tracker Keyboard Effect
- Yes

#### Historic Temperaments

#### Choir/Keyboards Inversion
- Great/Pedal Divisional Piston Combine
- Output Router
- Step by step adjustable Windchest layout

#### External Out Volume Control
- 13 (21) independent out volume control

#### Internal Amplifier 5 Band Equalizer
- Yes

#### MIDI Programmable
- Yes

#### Sequencer
- Yes

#### Demo Songs
- Copi, Load, Save, Rename, Delete etc. under Linux Operating System

#### File Management
- With Password

#### Connections
- **Midi In, Out, Thru**
- **Stereo Headphone Out**
- **Stereo Aux In**
- **Mic in**
  - With Gain Control
- **Multiple Line Out**
  - 13, 21 with Output Expansion Board
- **USB to PC (For Viscount Organ Editor)**
  - For finest finishing and personalization like Stop by Stop, Note by Note Volume and Pitch Regulation, Stop disposition, Internal and External Routing, etc.
  - Yes

### Console
- **Width x Height x Depth with Pedals**
  - cm 162x127x111
- **Weight**
  - Kg. 195

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### Specifications

- **Reverbation**: 8 Types
- **Ensemble Effect**: Adjustable
- **Air Pressure Effect**: Proportional to the active Voices
- **Tracker Keyboard Effect**: Yes
- **Choir/Keyboards Inversion**: Great/Pedal Divisional Piston Combine
- **Output Router**: Step by step adjustable Windchest layout
- **External Out Volume Control**: 13 (21) independent out volume control
- **Internal Amplifier 5 Band Equalizer**: Yes
- **MIDI Programmable**: Yes
- **Sequencer**: Yes
- **Demo Songs**: Copi, Load, Save, Rename, Delete etc. under Linux Operating System
- **File Management**: With Password
- **Midi In, Out, Thru**: Yes
- **Stereo Headphone Out**: Yes
- **Stereo Aux In**: Yes
- **Mic in**: With Gain Control
- **Multiple Line Out**: 13, 21 with Output Expansion Board
- **USB to PC (For Viscount Organ Editor)**: For finest finishing and personalization like Stop by Stop, Note by Note Volume and Pitch Regulation, Stop disposition, Internal and External Routing, etc.
- **USB for Pen Drive**: Yes
- **Width x Height x Depth with Pedals**: cm 162x127x111
- **Weight**: Kg. 195

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### Description
- **Elegant Wooden Console Moldings**, **Elegant Wooden Lighted Music Rack**, **Wooden Roll Top with Key-Lock**, **Bench with Music Storage Shelf**
unico300

A distinctive 2 manuals with a 32 note pedalboard, with 47 tilt-tabstops, USB connection and all the features provided by the Unico line.
Keyboards
2 x 61 notes “tracker touch” keyboards, with velocity control for MIDI and Orchestra sections.
Optional with wooden keys
Pedalboard
32 notes straight, straight concave, radiating concave
Stop Type
Tilt Tab
Audio Amplifiers
4 x 60 Watt + 1 x 100 Watt, 4 channels internal amplification system
 Speakers
9
Expression Pedals
1 Wooden Pedal
Crescendo Pedal
Wooden Pedal 16 step programmable

STOPS and VOICES
Pedal
14
Man I
16
Man II
17
Total Speaking Stops
47 + 5 Orch. Hundreds voices in the internal sound bank
Sound Styles
4 Preset + 4 User. Hundreds Sound Styles can be loaded and/or stored from/to internal memory and Pen Drive
Alternative Voices
Selecetble additional sound for each Stop
Orchestra Voices
Selecetble additional sound for each Stop

ACCESSORIES
General Pistons
6
Divisional Pistons
6
Memory Bank
16
Memory Segments
6 (A,B,C,D,E,F)
Total Memories
576 General, 1728 Divisional, tens of thousands with Pen Drive
Piston Sequence
Prev - Next Pistons. Individual HR for General and Divisional Pistons
Return to Handset Registration
Toe Studies
7
Can be programmed as Main Out An On and Antiphonal On
Pedalboard
Yes
Enclosed piston
Yes
Coupers
3 With Stops, Pistons and Toe Studies
Transposer
64/6
With Rotary Potentiometers
General Volume - Reverb Volume
Yes
Divisional Midi Enable
Yes
Organ Solo Piston
Solo Coupler
Midi Solo Piston
Solo on Midi Out
Orchestra and Midi Sustain
With Expression Pedal Switch
Pen Drive Mass Storage
Usual Ust-Pen Drive can be used as Mass Storage
Key On/Off Power Switch
Yes
Sequencer Remote Control
Optional radio no directie 50 mt distance Remote Control with built in 2x36 display

DISPLAY
Edit Voice Parameters
128 x 64 dots Graphic with Backlight
Step by step assignable voice parameters
Separate for each Division
Divisonal Volume
2 Separately for each manuals Depth and Speed adjustable
Tremulant
Reverbantation
8 Types
Beauty and craftmade skill

We have over a century of experience manufacturing keyboard instruments and were the first company to combine elegant furniture-style cabinets with innovative physical modeling technology.

The Italian styling tradition that is evident in Art, Architecture and Music can be found in our handcrafted instruments. An Italian passion for design and aesthetic that helps our instruments maintain, and increase their value over time.
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