INTERNATIONAL TIME MACHINES

The ITM Business: Clocks and Services
Antique pendulum clocks, early 1900s

Fully restored & maintained

Mesmerizing industrial art for your setting

About ITM

International Time Machines is a provider of authentic, antique industrial master clocks from the early 1900s. Our clocks were originally used in business offices, schools and banks, providing accurate time keeping throughout the building.

Each clock has been restored in the ITM clock shop in New England. We preserve the beauty of the wood finish original to the clock, but the movement and pendulum have been brought back to their original state by ITM restorers. Modern wiring and testing ensures safety and smooth operation of every clock, while dramatic lighting has been added to highlight its motion. Delivery, set-up and maintenance are all part of the service.

With ITM, you can enhance your environment with the hypnotic beauty and warmth from a bygone era!
The following pages show the many clocks available from ITM for display at your location.

They were manufactured between 1910 and 1945 by the International Time Recorder company, which became IBM in 1924.

They are 'Master Clocks' due to their ability to keep other clocks synchronized with the correct time-of-day.

They were industrial clocks found in offices, schools, banks and factories.

They are self-winding, eliminating the need for winding by hand. Not just objects of beauty, they are also very accurate clocks.
This Master clock was built in 1924 for The York Dispatch Publishing Co. It's one of the first of the 'long case' (over five feet tall) self-winding clocks made by ITR. The 44”-long pendulum and heavy brass bob improved its accuracy tremendously, and it synchronized 'Slave' clocks. The dial face is in great shape, despite being 90 years old. But the real beauty is the oak wood patterns in the back of case and in the door frame.

Quarter sawn boards are sawed in a certain way to provide greater stability and size with less warping and shrinkage. Sometimes the grain produces a decorative effect.
International Time Recording: Weight Driven Master Clock

Year: 1918est  Serial: unknown  Dimensions: 63”Hx19”Wx8”D

Weight Driven Movement

Motor Wound

Brass Pendulum Bob & Quater-Sawn Back Board

Pre-Restoration Condition

One of the first Masters

ITR Mark / Logo

Restored and repaired by Dave Dietrich 2014
This ITR Master Clock was built in 1930. It included options which made it the most accurate clock available from ITR. The weight driven movement was more accurate than spring driven, and it was also self-winding. The original GE motor, pictured above the dial, winds the weights up every 2-3 days. This clock also featured a pendulum with a Mercurial Bob. Vials filled with mercury (pictured on left) compensated for temperature changes in the building, accurate to within 10 seconds per month. To avoid handling mercury, the collector is running with two glass bottles (pictured in center). This clock is in superb condition with original finish, warm colors and pristine mechanical condition.
Another ITR Master Clock made by International Time Recording Company, which later became IBM. Manufactured in Endicott, New York, in 1929, this Master Clock could synchronize other clocks located throughout the building. It was an accurate time keeper, within 20 seconds per month. The craftsmanship of the woodwork is highlighted by the quarter sawn door frame which with its distinctive striping. Exceptional tone and warmth of clock case. Great condition for 86 years old.

Year: 1929  Serial: 365459  Dimensions: 63"Hx19"Wx8"D

Restored and repaired by Dave Dietrich 2014
INTERNATIONAL: Master Program Clock – Model 17-7

This Model 17 is unique, in that it was 'programmable' to control on/off cycles of a building's lights, power, bells, etc. as well as being a Master Clock. The Model 17 would send an electric pulse to slave clocks around the facility to synchronize them, but its accuracy was greatly improved with the new Invar pendulum, weighing 50% more than ITR’2 brass pendulum. A new IBM Globe logo is on the beat bar. Also a new look on the dial, with a new font and INTERNATIONAL logo (dropping Time Recorder), but the classic quarter sawn case and floating dial look remains.

Year: 1934  Serial: 470981, Graham dead beat, 60 bpm, Invar Pendulum, Programmable (metal disc type)  Dimentions: 58”Hx19”Wx8”D
The Model 18 was unique, in that it was 'programmable'. It is a very early use of the term, a forerunner of today's technology. The clock would control the operations of electric lights, bells, machines, etc., and on/off times would be programmed on the metal discs. There are 10 discs, one for each device. The user would insert pins on the edge of the disc to start/stop the device, and the disc would turn to open and close the circuits around the factory or office building.
INTERNATIONAL: Master Program Clock – Model 17-7

Year: 1934  Serial: 463772,  Graham dead beat, 60 bpm, Brass Pendulum, Programmable (metal disc type)  Dimensions: 58”Hx19”Wx8”D

Like the prior Model 17-7, these clocks were 'programmable' to control on/off cycles of a building's lights, power, bells, etc. as well as being a Master Clock. The Model 17 would send an electric pulse to slave clocks around the facility to synchronize them.

A new IBM Globe logo is on the manufacturers plate.

This clock was restored by Larry Gann, Alabama, in 2014. It will be used to test and control slave clocks, bells, lights, etc., since the wiring is new.
The Model 25 is one of the last International / IBM electro-mechanical clocks. Its accuracy is regulated by a pendulum, but it rewound itself and controlled building circuits (lights, bells, machines, etc.) by electro-magnets.

This Model 25 still uses the Invar pendulum, and also has a 110VAC to 24VDC transformer. Additionally, the brass disc control for building circuits allowed for 10 devices to be turned on and off at desired days / times. The dial has been removed in the photo on the left to display the movement, but the dial face is shown on the top right photo. It's rather bland compared to early International faces.

The Model 25 originally sold for $145 with a $30 upgrade for Invar pendulum.
ITM clocks are provided to customers with all service included. There is no 'cost of acquisition' for the clocks, nor is there a delivery or installation bill. ITM will keep the clock running with no service bills, ever.

For one monthly cost, ITM will deliver, install, calibrate and monitor the clock. Any adjustments, repairs, seasonal time change, etc., which the clock may require is included in the monthly fee. An option for regular exchanging (rotation) for different clocks is available.

ITM clocks are restored and maintained by the best ITR technicians in the world. ITM will customize the clock and agreement to meet your environment and needs.
ITR Master Clock technology, design and craftsmanship from a century ago.

Available to provide warmth in motion to enhance your environment.

Timeless works of art.

Clocks restored and collected by
Dave Dietrich, 2015