



## FASCINATION OF SCALE MODEL RAILROADS LEMACO PRODUCTION 1985 – 2006

HAND MADE IN BRASS BUILT SCALE MODELS EXTRAORDINARY IN FIDELITY  
TO THE PROTOTYPE AND EXCEPTIONAL RUNNING PROPERTIES .

### PRESENCE ON THE MARKET

LEMACO was present in Switzerland, France, Germany, Austria and Italy and used for the production of the models essentially prototypes coming from these countries.

### TRACK GAUGES / SCALES OF THE MODEL

As the only producer of hand-made models in small series we built our models in the following scales:

Designation	Scale	Track Gauge	Prototype
<b>Nm</b>	1 : 160	6.5 mm	1'000 mm
<b>N</b>	1 : 160	9.0 mm	1'435 mm
<b>H0m</b>	1 : 87	12.0 mm	1'000 mm
<b>H0</b>	1 : 87	16.5 mm	1'435 mm
<b>Om</b>	1 : 45	22.2 mm	1'000 mm
<b>O</b>	1 : 45	32.0 mm (CH)	1'435 mm
	1 : 43,5	32.0 mm (EU)	1'435 mm
<b>I</b>	1 : 32	45.0 mm	1'435 mm
<b>IIm</b>	1 : 22,5	45.0 mm	1'000 mm

### NORMS

LEMACO models have always been produced according to actually valid international norms.

### MATERIALS

Brass – or Nickel Silver

Brass – all turnings

Brass – parts in lost wax

Nickel Silver – wheel tires and transmission rods

### FABRICATION

All models produced by LEMACO were exclusively hand built by being soldered.

### DETAILING

Numerous details that represented the character and the specific properties of the prototypes were reproduced without compromise in the exact scale of the model.

### PAINTING AND INSCRIPTIONS

LEMACO models were painted (baked in the oven) according to samples of the color of the prototype and decorations and correct lettering was applied by modern methods.

### COUPLERS

LEMACO models were equipped by coupling systems corresponding exactly to those on the prototype. Exception for models of the scale N that have been furnished with standard N scale couplers.

For models in the scales H0m, H0 and I couplers that are industrially compatibles or coupling adapters were added separately.

### MOTORISATION

LEMACO models of all scales are well known for their excellent running qualities. They are either motorized by a permanent magnet motor equipped with 5 or 7 poles or in the majority of the cases by a coreless motor.

According to the scale or the track gauge the transmission is made depending on the model either by direct axle drive or threaded screw and inertial flywheel to prevent brutal stopping. For models of electrical or diesel prototype of the larger scales the power transmissions are usually made as on the prototype directly on all individual axles.

### ELECTRIC EQUIPEMENT

LEMACO models are almost exclusively furnished by a current pickup system on every axle. Locomotives of electric prototypes can also be commuted for current pickup on the catenary via the pantograph.

The lighting with 1.5 Volt bulbs belongs to the standard of LEMACO.

Due to the technical advancements in technological and digital developments and as a consequence of the demand by our clients we have later foreseen in our models the possibility to adapt or facilitate the digitalization of the model or have even furnished some locomotives with an already installed decoder.

### NORMS OF THE WHEELS

These have been adapted according to the technical possibilities to correspond optically as much as possible to the prototype. However, the imposed necessities by the model tracks had of course the preference.

### RADIUS

Every model was designed to be able to function on a radius as small as possible without the necessity to modify the aspect of the prototype.

### PRODUCTION QUANTITY

All LEMACO models were produced in very limited series. Every model is dated and individually numbered.

To protect the value of the models a once produced series has never been put again in production, even if numerous requests would have justified it.

### PACKING

The LEMACO models should never be placed directly into the protecting foam inside the box. The foam may create a chemical reaction with the painting itself and therefore destroy the painting of the model.

IMPORTANT: The models must previously be carefully protected in fine tissue paper before they are inserted into the foam.