

Göppingen, April 17, 2007

Dear Madam/Sir:

We are presenting the new **Softdrive-Sine propulsion system for H0 locomotives** for the first time at the Intermodellbau 2007 show in Dortmund. We have successfully reached a milestone with this in the area of locomotive running characteristics paired with maximum motor efficiency.

We would also like to inform you at the same time in this newsletter about this new Softdrive-Sine propulsion system.

Thanks to a new location for the magnet field, we have succeeded in developing a motor that begins to work at very low operating voltage as smooth as silk and with no cogging action. Contacts such as the commutator and brushes that create drag and resistance are not necessary; the motor requires no maintenance. Thanks to a special electronic circuit, it will work in all modes of operation (analog or digital) and will impress people with the fine control of its operating characteristics.

The new Softdrive-Sine motor is very compact and even fits in smaller locomotives. The size is the same as the previous standard compact design C-Sine motor.

Here is an overview of the advantages:

- **Superior Running Characteristics and Prototypical Operation:**

The new design of the Softdrive-Sine motor allows jerk-free operation, even with a large load for a train, at slow speeds, and on steep grades. The high quality ball bearings for the motor enable silky smooth operation that is low in noise.

- **Completely Reworked Controls:**

When there is an increase in the total current load on the layout due to several locomotives in operation, you will not see any break in the speed of the locomotives. The motor's performance remains constant even on curves.

- **Extreme Power Capacity:**

The new Softdrive-Sine motor will impress people with its high power density compared to conventional motors. Even at low speeds, the Softdrive-Sine motor reaches a high level of torque and therefore an outstanding level of pulling power.

- **Innovative Motor Design:**

The cogging action of the motor is reduced to a minimum by the diagonal arrangement of the magnets (oblique magnetization). This allows an extremely fine feel to the running characteristics of the locomotive.

- **The Smallest Possible Size:**

The Softdrive-Sine motor can be installed directly in the boiler of steam locomotives by virtue of its small size (instead of in the tender).

A prototypical open view through the windows of the locomotive or powered rail car remains preserved even in models such as the rail bus.

- **High Level of Durability:**

The Softdrive-Sine motor has no carbon brushes or other parts to wear out and is designed with maintenance-free ball bearings for an extremely long service life.

Many high quality H0 locomotives from Märklin and Trix are being equipped right away with the Softdrive-Sine propulsion system. Below is a list of the new items in 2007 coming with this new motor:

Märklin Assortment

26218 Commuter train with the class 218, 3-car "Silberlinge" set in red
 26540 DB Train set "50 Years of the TEE", Era IV
 29680 Gotthard Mega Starter Set
 37772 DB SVT 04 express powered rail car, Era III
 37902 DB AG class 290 diesel switch engine, Era V
 39050 DB class 05 express steam locomotive, Era III
 39121 DB class E 10.12 electric locomotive, Era III
 39180 DB class 218 diesel locomotive, "old" red, mfx with sound
 39181 DB class 218 diesel locomotive, "old" red, mfx without sound
 39401 SNCF class CC 40100 electric locomotive, Era IV
 39402 SNCB class 18 electric locomotive, Era IV
 39500 DB class E 50 electric locomotive, Era III
 39540 SBB TEE Rae "Gottardo" powered rail car train, Era III
 39562 SBB "Crocodile" freight locomotive, brown, Era III
 39590 SBB class Ae 8/14 electric locomotive, Era III
 39802 DB class 220 diesel locomotive, Era IV
 39890 DB AG class 189 electric locomotive, Era V
 39970 DB class 701 catenary maintenance car, Era IV
 39981 ÖBB rail bus with control car, Era III

Trix Assortment

T 22025 DB SVT 04 express powered rail car, Era III
 T 22030 DB class E 10.3 electric locomotive, Era III
 T 22031 DB class E 10.12 "Rheingold" electric locomotive, blue/beige, Era III
 T 22032 DB class 112 electric locomotive, Era IV
 T 22130 DB class 05 express steam locomotive, Era III
 T 22135 SBB TEE Rae "Gottardo" powered rail car train, Era III
 T 22150 DB class E 50 electric locomotive, Era III
 T 22218 DB class 218 diesel locomotive, "old" red, with sound
 T 22219 DB class 218 diesel locomotive, "old" red, without sound
 T 22576 SNCF class CC 40100 electric locomotive, Era IV
 T 22577 SNCB class 18 electric locomotive, Era IV
 T 22798 DB rail bus with control car, Era III
 T 22799 ÖBB rail bus with control car, Era III

Since both of the Insider models for 2007 – item nos. 39050 and T22130 – are being equipped with the new Softdrive-Sine propulsion system and since the introduction of this new propulsion system is planned for just before the end of the deadline for ordering these Insider models, we have decided to extend the

Order deadline for all Insider models for 2007 until June 15, 2007.

We would like to take this opportunity to point out again that the Insider models will be delivered by the date the order was placed. Therefore, please send us immediately by mail orders you already have. You should avoid including repairs or warranty claims with these orders in order to ensure faster processing.

In the near future there will be additional information on our home page about the new Softdrive-Sine propulsion system. A brochure is also being prepared for this new propulsion system. We will send you an appropriate quantity for distribution to interested customers in one of the product shipments.

Update for the Märklin Central Station – Item No. 60212

From the beginning of June 2007 to December 2007, the Märklin Central Station can be expanded by means of a free update to include additional control features that will enable even more realistic operation of your locomotives.

Extent of the Update

This update consists of new software for the Central Station and a hardware addition for connecting the s88 feedback module and for connecting equipment from the former digital assortment. (6017; 6021)

Who can carry out this update?

In North America this update can only be carried out by the Märklin, Inc. Service Department. Dealers and consumers will be informed of the update procedure in May as more information becomes available.

The Central Station will be modified during this update in such a way that in the future you can do updates easily from the Internet.

What new possibilities or changes does the Central Station offer after the update?

- **Route control**
- **The possibility of connecting a computer for future updates or as an electronic circuit for controlling locomotives and trains¹**
- **Connecting the s88 feedback module to your layout**
- **Automatic circuits such as for push/pull operation**
- **Improved control possibilities for locomotives. For example, the sound of squealing brakes on mfx locomotives will now be easier to activate.**
- **Digital components such as the Control Unit can be connected to the Central Station. If other control components such as the Keyboard, Memory, Control 80f, etc. are connected to this central unit, commands from these units will also be carried out.**

¹ = Suitable software is being readied from different vendors.

Will my previous data in the Central Station remain preserved after the update?

In principle the data remain available for use after the update of the Central Station. In exceptional cases – such as the exchange of a defective unit – this cannot be guaranteed.

Please understand that we will carry out the update on Central Stations in the order that they are received and that there may be a wait period under certain circumstances.

Sold Out Items

These two items are sold out at the factory:

- **26536 Iron ore freight train (item due for delivery in June and orders can be placed with Märklin, Inc. while supplies last)**
- **58568 Märklin 1 Gauge Museum car for 2007 (item is in stock and can be ordered from Märklin, Inc. while supplies last)**

Sincerely yours,
Gebr. Märklin & Cie. GmbH

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