Success in the Millions From Topsignal

- LNBs and VSAT

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• OEM delivering exclusively to Wholesalers • Specializes in large production quantities • Produces millions of satellite dishes and LNBs • Majority of shipments go to South America • Expanding product palette to include high-quality

> al's production plant in N nistration building is to the left and two r production buildings are to the right. hes and LNBs are manufac

Enormous Numbers for the World Market

With a yearly production of five mil- in Ninghai back in the year 2003. Back which itself is a three-hour train ride fully stocked." south of Shanghai.

lion satellite dishes and even more then antenna motors for satellite dishes LNBs, Topsignal is one of the largest were in demand and Zongbao King built manufactures of these products. The a production facility for these motors. company actually started in a com- "Unfortunately, today there's not much pletely different product segment: ac- demand for these motors anymore", started manufacturing satellite dishtuators and motors for satellite dish- explains Sales Manager James You to es and in 2011 we started producing es. It's an unusual development that us. Order quantities have steadily de- LNBs." The quantities are huge: nearly we had a look at in the small city of creased, "but we can still handle any a half million satellite dishes are pro-Ninghai. Ninghai is located near Ningbo kind of order since our storeroom is still duced monthly and even more LNBs.

Zongbao King founded the company sales giants at Topsignal: "In 2008 we dishes and LNBs are sold in sets. A

The reason these production numbers Two other product groups are today's are almost the same is simply that the



Ninghai (Ningbo)



large portion of their production is for the 60cm and 90cm variants; a smaller portion is for 75cm antennas.

Where do these antenna sets end up? Brazil."

However you won't have much luck current production." searching for the Topsignal brand name in Brazil: the company is an original equipment manufacturer (OEM) and the satellite dishes and LNBs are shipped without any name stenciled on them. "We work together with an agent who resells the sets in Brazil and adds ers right there in Brazil."

A small in-house team of 10 R&D engineers is currently working on this but Topsignal also receives additional design input from outside specialists for "Roughly 80% of our production gets these new markets. "We are currently shipped to South America, above all to working on a new LNB series with specifications that are far better than our

> As you can see, Topsignal is consistently working on improving their products. At the moment, Topsignal's LNB assortment consists of Single, Twin and Quattro LNBs; additional variants are in the works.

Sales Manager James You is very opthe brand names of the large custom- timistic with their new LNB series. He takes a look into his crystal ball: "In Topsignal's next largest shipping zone 2011 our sales amounted to roughly 50

is The Middle East and Africa account- million RMB (about US\$8 million), but ing for 15% of deliveries. The remain- for 2012 we foresee a 30% increase ing production goes to large distribu- due in large part to our new and imtors and dealers in Southeast Asia. "1.5 and 1.7-meter mesh antennas are quite popular there."

trate the large markets in Europe and North America. "We want to start there by concentrating on our LNB products markets, Topsignal wants to continue such as the Ka-band LNB in the USA." But VSAT is also on the list of newly developed products from Topsignal.

proved products."

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With its enormous quantities, Topsignal has managed in just ten years to Now Topsignal is looking to pene- work its way up into the top class of manufacturers. With new and improved products and the expansion into new this success.

> The next 10 years should be very exciting at Topsignal!

The receptionist greets every visitor

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1. This is just a small portion of the in-line storage area. The dishes wait here for further assembly.

2. One of the many steps involved in a completed dish: the raw shapes are hung on a chain and driven through a paint station station.

3. Another paint station is used for the smaller dishes.

4. Employees inspect each and every dish for defects. Those that pass inspection are placed on a palette; those that fail are removed from the rest.

5. The mounting holes are punched here

6. Topsignal sells satellite antennas and LNBs in sets. Naturally mounts are also included. Wall mounts are pressed into shape here. Topsignal uses pipes with 42mm and 47mm diameter depending on the size of the dish.

7. How do the holes get into the mounts? Yes exactly, with this machine. Topsignal has more than one of these machines and they are used to punch holes in the mounts.

8. The mounts travel along a long chain through the paint station where they are spray painted by workers and then dried.

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23. The quality control station takes sample LNBs and checks to see that they function correctly. 11

24. One of the quality checks involves testing the LNBs in a refrigerated environmental chamber. Topsignal has two of these test chambers.

of these test chambers. 25. If there are defective LNBs, they are checked out here to identify weak spots 26. Workers can be seen here packing completed products for shipment. It's always palette-sized shipments because of the enormous numbers involved

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