

Case Study

Error-Free SMD Retrieval





Case at a glance

How we took our customer from task to solution

Rohde & Schwarz, is a leading supplier of solutions in the fields of test and measurement technology; radio; radio monitoring and location technology; and secure communication. In the area of high-end measurement technology, "building blocks for future devices" are produced. They needed a solution that could quickly react to changing market needs and ensure a fast, simple, and error-free retrieval of SMD reels.

Simple & structured picking

Customer and task

Founded 85+ years ago and based in Munich, the electronics group is active in 70+ countries with approximately 12,000 employees.

Kardex' task was to improve the setup process for populating electronic assembly groups with SMDs, because the main potential lies in optimizing the time needed for an average of 200 setup processes / hour. The focus was on the availability of the SMD reels to ensure that the changeover goes smoothly on the populating lines and buffering times are avoided during production. A new solution should ensure flexibility in the production process and error-free retrieval of SMD reels.

Solution

Kardex Remstar installed 12 Kardex Megamat to organize the SMD reel logistics and ensure the assembly groups can be set up and removed during the production process on a permanent basis. Two / three employees on average work on the units at the same time and put the SMD reels into storage, retrieve them, and return them after use. The whole process is paperless thanks to the use of a pick-by-voice system. Each operator can work at their own pace through the individual items of an order, step by step.

The total fill level for the Kardex Megamat units is 90-95%. This is achieved as a result of the flexible way in which storage space is allocated depending on storage space availability. The highly-dense storage method makes it possible to supply four production lines with 10,000 reels per day and populate around 441 million components every year.

Maintain
permanent
inventory

Increased
throughput
by 50%

Error-free
retrieval
of SMD reels



Scope of delivery



12 Kardex Megamat W: 3,501 | D: 1,774 | H: 4,900 mm
Kardex JMIF (linked to pick-by-voice from Vocollect)



Warehouse management system connects to SAP and facilitates inventory management of SMD reels in real-time without downtime



ESD Protection