MSTRP-5050

MSTRP-4040

SATO PJM RFID

The only RFID technology you don't have to work around

satoeurope.com

Orthopedic Implants Management

PJM

A SHORT INTRODUCTION...

WHAT IS PJM RFID TECHNOLOGY?

RFID

Advanced HF Technology compliant with ISO 18000-3 Mode2

PJM

Name: **Phase Jitter Modulation (PJM)**

SATO

Made in Australia by **SATO**, Tags made in Japan

WHAT ARE THE CORE ADVANTAGES OF PJM?

- ☑ Guaranteed 100 % read accuracy

- ☑ Can identify hundreds of tightly packed items regardless of placement or orientation

- ☑ Radiation hard memory unaffected by medical grade sterilisation with gamma, X-ray or e-beam

- ☑ Fastest RFID Technology able to identify hundreds of tags per second.

- ☑ PJM RFID tags large memory capacity allow for complete product information to be stored, not just the item code

- ☑ Performance is unaffected by liquids and cells

- ☑ Designed for stacking - Even tightly packed items will be accurately read

- ☑ 3D Orientation – 3 Dimensional reading field

- ☑ Safe for use with all blood products and biological agents

- ☑ Retrofittable

WHAT ARE THE ADVANTAGES OF PJM TAGS?

- ☑ **Large Memory Capacity**

- ☑ **Can identify hundreds of tightly packed items regardless of placement or orientation**

- ☑ **Can withstand medical grade Gamma, E-Beam and ETO sterilisation**

Solutions for the Orthopedic Market

PJM-RFID – ADVANTAGES IN DEALING WITH IMPLANTS

☑ PJM-RFID tags can be read 100% reliably, even in densely packed loan-set kits with items placed in any orientation. The high speed operation of PJM RFID means that staff can work at normal human working speed.

☑ An implant operation kit consists of many different parts. Each part is sterilized and can be marked with PJM-RFID tags during the manufacturing process.

☑ The scope of the data is not limited to just an article number. It is possible to create extensive data sets, and store them in the RFID chip. For example, production and expiration dates, batch, serial, article numbers, etc.

☑ Sterilization is possible; The SATO tags are tested and can withstand:
1. EtO Treatment
2. Gamma radiation up to 50 kGy
3. E-beam radiation up to 50 kGy

☑ For reading, both desktop readers and tunnel systems are available.
Insert the medical device kit in one side the tunnel reader and pull it through, done. All data is now where it is needed – in the system.
This works both for shipments from the manufacturer to hospitals and in the hospital during receiving goods or when returning to the supplier. Comprehensive monitoring of hospital-owned implants is also available.

☑ The loan-kit processes is greatly improved with alerts for, missing, expired, recalled or if extra items are detected during processing.

PJM RFID Inventory Management for Shipping

FEATURES
- Automated inventory control accelerates inventory management and restocking.
- Automatic monitoring of expiration dates.
- Article reconciliation before surgery to enhance patient safety.

BENEFITS
- Avoidance of errors that may occur during use and billing.
- Increased efficiency.
- Improved patient safety.

PJM RFID Loan Kit for Medical Devices – Supplier Solution

FEATURES
- Complete solution with software.
- Readers, and RFID tags for managing medical loan kits.
- Inventory management and return functionality included.

BENEFITS
- Significant cost reduction and time savings in assembling loan kits.
- Error avoidance and minimization of customer complaints due to incorrect deliveries.

RFID Loan Kit for Medical Devices – Hospital Solution

FEATURES
- Automated processing of kit intake and return significant improvement in efficiency and accuracy.
- Management of expiration dates.
- Article reconciliation before surgery to enhance patient safety.

BENEFITS
- Effective and error-free management of medical loan kits.
- Easy invoice reconciliation
- Enhanced patient safety.

SOFTWARE
Orbit Software available for loan kits

PJM Orbit is a single PJM RFID solution to manage your loan kit business. It consolidates your loan kit booking system, preference management, kit dispatch, return reconciliation and usage reporting, all into one solution. It is the only complete system, designed from the ground up, to run your PJM RFID enabled orthopedic loan kit operations.

KEY BENEFITS:

DRASTICALLY REDUCE TIME AND COST OF KIT LOGISTICS

With up to a 75% reduction in time spent from receipt of booking to dispatch. Picking and packing loan kits with PJM Orbit is highly efficient.

Time consuming barcode scanning no longer required.

100% SHIPMENT ACCURACY

PJM Orbit prevents shipment of:
- Recalled or discontinued items.
- Expired items.
- Extra items or kits with missing items.

IMPROVED CUSTOMER SERVICE

Provides consistently accurate and on-time shipments to hospitals, eliminating the occurrence of incomplete bookings or bookings with errors.

High speed identification of stacked items with PJM StackTag™

One of the key advantages of SATO's PJM RFID systems is the ability to identify tags on items when multiple items are stacked, or closely located, even in the presence of liquids or packages containing metals. This stacking feature is provided by PJM StackTag™. We provide a number of tag formats and tag sizes to suit different applications.

A number of popular tag types are available from SATO. Depending on volumes, new tags can be designed for particular applications. Typically, tags are provided as transparent adhesive labels or paper adhesive labels.

PJM Hardware

MSTRP-6464, 5050, 4040
Tunnel Reader

MDR-4330AT
Desktop Reader

Tags

PJM RFID
Open Shelves

MDR-1109
Desktop Reader

Retrofit Kits

CL4NX Plus Printer

PJM Software

PJM Orbit

PJM Assure