

Indaco Project uses Zemic loadcells for their Personal Storage Machine

ZEMIC 传感器在 Indaco Project 私人存储柜中的应用

Indaco Project is specialized in hardware and software automation of various industrial processes. With the loadcells of Zemic Indaco has produced a Personal Storage Machine for real time stock management; the TomBox.

Indaco Project 是专门从事各种应用于流程工业中的自动化硬件和软件。Indaco 与 Zemic 称重传感器合作，研发了一款用于实时库存管理的私人存储设备 --TomBox。

Indaco Project Group is a group of companies established in 2001 as software company in Data Collection Area. Over the years, They have been specialized in hardware and software automation of 4 industrial processes: Human Resources, Safety & Security, Personal Storage Machines and Manufacturing Execution System. Their data collection and control solutions are driven by their software platform and provide real time intelligence to optimize all the operations and job sites.

Indaco Project 是一家成立于 2001 年从事数据采集的集团公司。多年来，他们一直专注于 4 种流程工业的自动化硬件和软件研发。人力资源、安全与安保、个人存储设备和生产实施系统。他们的数据采集和控制解决方案由软件平台驱动，并提供实时智能系统来优化所有的操作和工作现场。

Indaco wanted to develop a new storage machine which automatically detects the quantity taken by the use of weight sensors. They were looking for an expert in the field of load cells and they contacted Zemic Europe. Zemic was excited to help Indaco Project develop a state-of-the-art Personal Storage machine.

Indaco 想开发一种新的通过使用称重传感器自动检测并提取数量的存储机器，并且正在寻找称重传感器领域的专家，于是他们联系了 Zemic Europe。Zemic 很高兴能帮助 Indaco Project 研发最先进的个人存储设备。

- **Zemic & Indaco Project**

- Zemic 和 Indaco Project

- ① State-of-the-art Personal Storage Machine

- 最先进的个人存储机

- ② Optimization of the processes, minimum stock levels and minimization of costs

- 优化工艺流程，最低库存量，成本最小化

- ③ Internet of Things Solution

- 物联网解决方案

- ④ Experience of technology innovation combined with force sensor know-how

- 结合测力传感器的技术革新经验。

- ⑤ Zemic Europe's best quality, service and price ratio

- Zemic Europe 最好的质量、服务和性价比

- **How Zemic Europe could help Indaco Project**

- Zemic Europe 是如何协助 Indaco Project 的**

Zemic has a very wide program of sensors and more than 30 years of experience in the field of weighing. Zemic has a strong focus on creating value for her customers to help them to differentiate themselves in their market.

Zemic 在称重领域长年经营传感器项目并积累了 30 多年的经验。Zemic 十分注重为客户创造价值，并帮助他们在市场上脱颖而出。

The Personal Storage Machines like the TomBox allow users to monitor in real time the effective consumptions of the objects and to decrease waste and time. Zemic found it very interesting to help Indaco Project developing this Machine. Zemic could give the needed professional support and advice for the best fit loadcell. The TomBox is developed with highly precise and accurate single point aluminium loadcells.

像 TomBox 这样的个人存储机器可以让用户实时监控物品的有效消耗，减少时间

耗费以及浪费。Zemic 认为帮助 Indaco Project 研发的这台机器是非常有意思的。Zemic 可以为客户提供的专业支持和建议，使客户选取出最合适的称重传感器。TomBox 使用的是高度精确的单个铝质称重传感器。

● **About the TomBox**

关于 TomBox

TomBox is one of the Personal Storage Machines; automatic intelligent warehouses for management of different articles used in a company. These systems are designed and manufactured by Indaco Project to monitor in real time the handling of objects. TomBox, is part of Internet of Things (IoT) and automates the entire distribution flow and withdrawal of small metal items, class C items and other objects with high frequency of use.

TomBox 是该集团旗下的个人存储机器之一；自动智能仓库，用于管理公司内使用的不同物品。这些系统是由 Indaco Project 设计和制造的，可以实时监控物品的处理情况。TomBox，是物联网（IoT）的一部分，可以自动完成小金属物品、C 类物品和其他使用频率高的物品的整个配送流程和提取。

● **Features of the TomBox:**

TomBox 的功能：

- ① Register each withdrawal with date, time, task and user

将每次回收的日期、时间、任务和用户进行登记

- ② Identifies and authorises the items able to be taken using the personalised badge

识别并授权可以使用个性化徽章的物品。

- ③ Detects the quantity taken automatically by weight sensors placed under the storage units

通过放置在存储模块下的称重传感器自动检测数量。

- ④ View the article taken on the integrated touchscreen

查看在集成触摸屏上显示的文章

⑤ High capacity storage within a small space

小空间内的高存储量

⑥ Reduces consumption and allows the company to understand what is used most and in what work phases

减少消耗，让公司了解什么东西用得最多，在什么工作阶段用得最多。

⑦ Send automatic e-mails when reaching minimum stock levels or the sub-contract and for reordering to the supplier, cancelling production stops

当达到最低库存水平或约定水平时，自动发送电子邮件，并向供应商重新订购，停止生产。

⑧ Alert with alarms in case of withdrawal without identification or tampering

在无身份证明或身份被篡改的情况下提取货物时发出警报。

⑨ It improves the planning of the daily requirements of the articles on the production lines and optimizes the processes

它改善了产线上日常物品需求的规划，优化了流程。

● **The configuration is flexible and depends on the company's needs.**

基于公司的需求灵活配置。

① Zemic L6N single point load cell integrated in the TomBox

安装在 TomBox 中的 Zemic L6N 单点称重传感器

② The L6N load cell was the best fit load cell to integrate in the TomBox. The L6N loadcell has the following characteristics:

L6N 称重传感器是最适合安装到 TomBox 中的称重传感器。L6N 称重传感器具有以下特点。

1) Aluminium-alloy IP65 single point load cell

铝合金 IP65 单点式称重传感器

2) Colourless anodized

无色阳极氧化

3) Suitable for single or double load cell structured platform scales

- 适用于使用单、双称重传感器结构的平台秤

4) Maximum platform size: 350 x 400 mm

最大平台尺寸: 350 x 400 毫米

5) OIML approved

OIML 认证