



Interroll and Logstore deliver fully automated cell phone repair center to Grupo PLL in Brazil

Sant'Antonino, Switzerland/São Paulo, Brazil, October 24, 2019. Interroll and Logstore realized a new repair center for Grupo PLL, the largest authorized service center for mobile phones and smartphones in Brazil.

The facility in São Paulo, Brazil, applies an advanced Factory Repair Service concept whereby all device repair steps are automated at the same pace as within the electronics assembly industry. One key element of this high-performance solution is Interroll's Modular Conveyor Platform (MCP) which allows monthly handling of up to 24,000 cell phones in two work shifts. Moreover, the automated factory design makes it possible to provide same-day deliveries of repaired phones to the owner within the city area of São Paulo.

Easy-to-maintain minimalist system with high connectivity

As an integral part of the headquarters of Grupo PLL in the Moema region of São Paulo, the repair center offers a new experience and a high-quality service standard to the consumer, focusing on the triad: efficiency, technology and scale. "With our new facility we wanted to dramatically increase our performance by avoiding complex manual internal processes. Our goal was to realize a highly advanced solution which is also unique in Latin America," says Lucas Linhares, Managing Partner of Grupo PLL. The design of the new repair center follows the industrial Factory Repair Service concept and was implemented by Logstore, the system integrator responsible for this project.

"The project was carefully and holistically planned—from furniture design to automated conveyor systems. It gained its specific strength by receiving Industry 4.0 attributes and by transforming the retail services in omnichannel through advanced technological solutions," adds Helson Santos, Logstore Business Manager. "We built conveyors into the furniture, thereby making the whole system minimalist. With the technologies applied, we created a real Industry 4.0 concept where everything is connected, has high energy efficiency, and can be easily refurbished or expanded without replacing existing conveyors, making this a sustainable project."

Lower noise levels and power consumption with 24V RollerDrive

"To seamlessly integrate into the whole concept behind the PLL solution, Interroll has customized the conveyors to a width of 50 cm so that they can later circulate notebooks and drones," says Marcos Gaio, Managing Director at Interroll Brazil. "We also equipped the system with 24V RollerDrive technology to reduce the noise level as well as the power consumption, boosting the system's efficiency and increasing the overall sustainability of the 300-square-meter repair lab."

In addition to the RollerDrive technology, the MCP from Interroll is equipped with image barcode scanning systems and uses 24V high-performance diverters (HPDs). The new system has been designed to support a

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monthly transport capacity of up to 24,000 cell phones using two work shifts. It is entirely managed by software developed by Logstore that regulates the automatic transportation of mobile phones between repair cells.

“Without the Modular Conveyor Platform in this 300-square-meter space, we could hardly repair 15,000 units per month and would need many more employees for the various stages of the production process. We are at the conceptual and technological forefronts, with full support from Interroll and Logstore,” says Lucas Linhares of Grupo PLL.

Contact:

Martin Regnet
Interroll (Schweiz) AG
Global PR Manager
Via Gorelle 3 | 6592 Sant'Antonino | Switzerland
media@interroll.com
www.interroll.com



Caption: The Modular Conveyor Platform from Interroll seamlessly integrates into the PLL factory repair service.

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About Grupo PLL

Founded in 2005 by the brothers Pablo and Lucas Linhares, Grupo PLL has stores in the main regions of Brazil. São Paulo, Rio de Janeiro and Bahia. It has more than 600 employees and today, Grupo PLL is the largest BPO (Business Process Outsourcing) in the Brazilian market, serving the main manufacturers in the mobile phone market both in warranty and budget.

About Logstore

Logstore is a pioneer in the development of omnichannel logistics solutions managed from a mobile app. It created highly flexible 100 percent digital supply chain technologies that put the customer at the center of logistics and distribution control. Logstore operates from small in-house logistics applications to more complex models designed for e-commerce, turning retail into a mini distribution center.

Located in a 22,000-square-meter hub, Logstore employees are focused on providing world-class solutions to help customers and partners succeed in a rapidly changing digital business environment. It is in the ranking of "100 Start-ups To Watch", organized by the Brazilian magazines Pequenas Empresas & Grandes Negócios and Época Negócios and the newspaper Valor Econômico.

www.grupopll.com.br

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About Interroll

The Interroll Group is the leading global provider of material handling solutions. The company was founded in 1959 and has been listed on the SIX Swiss Exchange since 1997. Interroll provides system integrators and OEMs with a wide range of platform-based products and services in these categories: Rollers (conveyor rollers), Drives (motors and drives for conveyor systems), Conveyors & Sorters as well as Pallet & Carton Flow (flow storage systems). Interroll solutions are in operation in express and postal services, e-commerce, airports, the food and beverage industry, fashion, automotive sectors, and many other manufacturing industries. Among the company's end users are leading brands such as Amazon, Bosch, Coca-Cola, DHL, Nestlé, Procter & Gamble, Siemens, Walmart and Zalando. Headquartered in Switzerland, Interroll has a global network of 32 companies with turnover of around CHF 559.9 million and 2,300 employees (2018).