

i-G5™

INTELLIGENT MODULAR CONVEYOR PLATFORM





Conveyors are a traditional piece of mechanical equipment invented to alleviate the heavy labor of mankind.

The conveyor has been applied to assist humans in life and industry for thousands of years.

Due to the need for improvements in conveying, it has undergone numerous technological evolutions and structural changes. What kind of conveyor do people now expect?

智 SMART

With the latest intelligent digital logistics platform in the world, a new generation of intelligent conveyors based on IoT can provide users with intelligent services including being able to see the conveyor on the internet at all times, communicate and interact with other intelligent equipment, receive support from the operation and maintenance department, analyze large amounts of data to ensure the equipment is always in optimum working condition and supervise system operations.

Automatic sensing

Damon's new fully integrated photoelectric sensor is the basic sensing unit within the conveying system to collect data during the transportation of goods. Matched perfectly to the control system, the conveyor system can then complete operational instructions with intelligence.



Intelligent interaction

Programmable I / O interface, convenient parameter settings, parameter download mode, power warning, short circuit protection, data recording function and intelligent prompts are displayed on a large LED screen. Parameter settings and operating status can be seen at a glance. Also included is manual (local) and automatic control and a security lock to protect parameter settings and ensure the running safety of equipment.

Intelligent control

Self-diagnostics, a variety of communication modules depending upon system requirements, NPN/PNP sensor interface, real time monitoring of three-phase running current, comprehensive fault display and location function are combined with system data collection and record functions to provide efficient support for quick system matching, operation of system equipment, analyzing system power costs, system fault diagnosis and location.



Intelligent maintenance

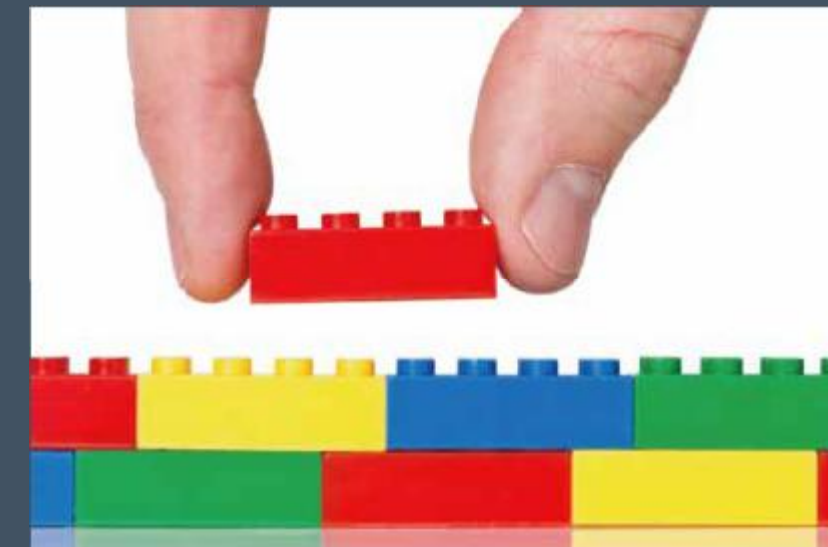
Through the integration of intelligent micro chips, the system can independently collect vast amounts of operational information and can think, observe, study and predict problems within the conveyor system and alert the user's maintenance system.

Intelligent digital logistics platform

- Real time display of the running status and energy consumption of the equipment.
- Low cost to obtain equipment data for preventative maintenance and repair.
- Rapid and accurate troubleshooting using AR technology saves 60% of the time spent compared with previous troubleshooting methods.
- Technical documents and maintenance plans can be saved to the cloud platform to provide managed maintenance and service programs to preserve the equipment value and improve system efficiency.

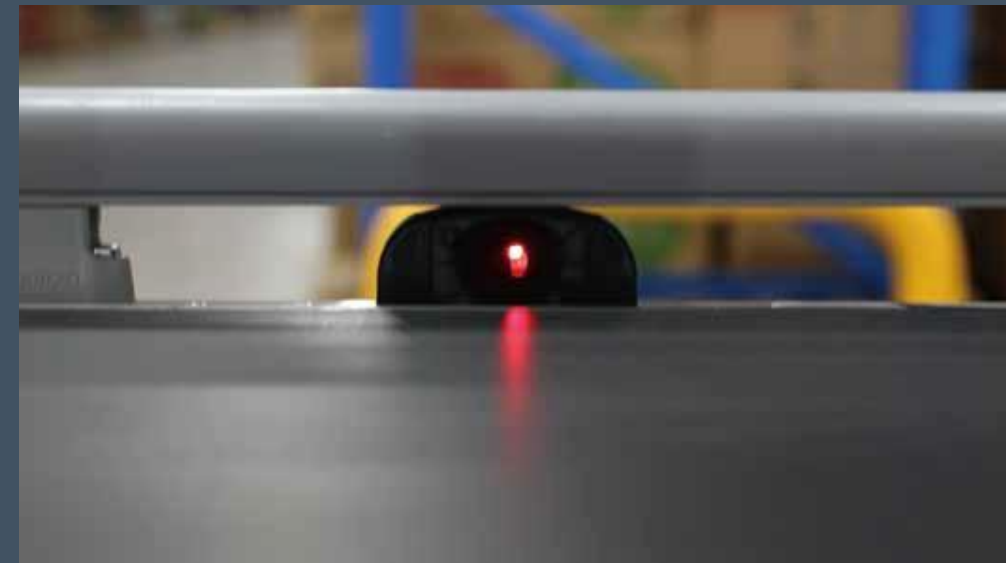
柔 FLEXIBLE

Due to the high demand of individual system requirements, more and more users want to design their conveyor systems with flexibility. Using standard modules to build personalized systems is the aspiration of every user.



Small modules accomplish large systems

Systems are built from modular components / Designed for rapid installation / Quick fit and removal guard rail design / Optimized design for maintenance



美

ATTRACTIVE

Products in the industrial age emphasized on functionality. The Internet era requires products not only to be functionally powerful, but also attractive in design. For the user experience, every component is designed to the highest quality standards. Through its good looking industrial appearance, the conveyor becomes a piece of industrial art.

Both attractive and high quality

New industrial structural design...



捷 FAST

Fast is a sign of this era: High speed performance, high operating efficiency, short delivery times, rapid installation and commissioning...All these requirements are met with I-G5.

There is no fastest, only faster

- Efficiency: High conveyor speeds up to 120 m/min.
- Selection: The professional SSM selection software supports users to quickly complete system design and planning.
- Delivery: Delivery times are reduced to half of the previous generation conveyor.
- Installation: Integrated modular components deliver faster installation and maintenance.



Damon Technology, committed to a green future



Energy conservation and environmental protection are two of the characteristics of today's modern high tech products.

Equipped with intelligent, digital, energy saving, electrical rollers.

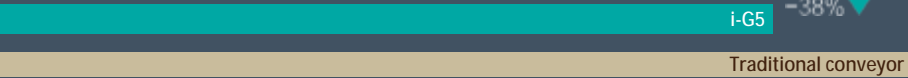
Equipped with energy-saving, DC drive conveyor motor. Utilizes low noise materials in the mechanical design.

Recycling of manufacturing materials.

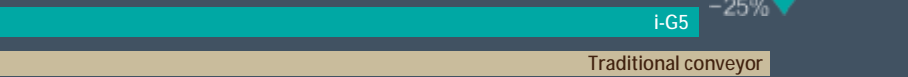
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These are our commitments to a green future.

Reduced
installation cost



Reduced power
consumption



Noise reduction

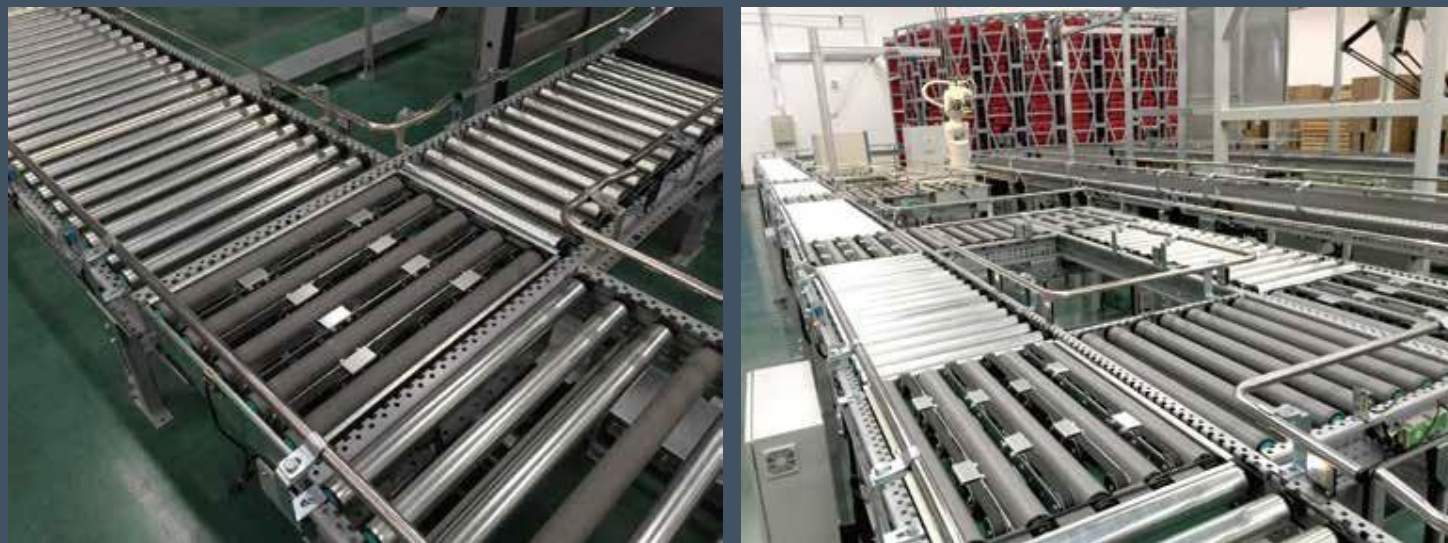


Applications

Logistics
center



Intelligent
unmanned
warehouse



From **industry 1.0** to
industry 4.0, technological
innovation has never stopped. Every
technological revolution brings us to a new
era.

i-G5 leads the future of conveyors.



Damon Group was founded over 20 years ago. We change the world by virtue of technology, linking our goals of creating the future, constantly exploring the technological boundaries and solving the obstacles of logistics through the integration of technology.

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