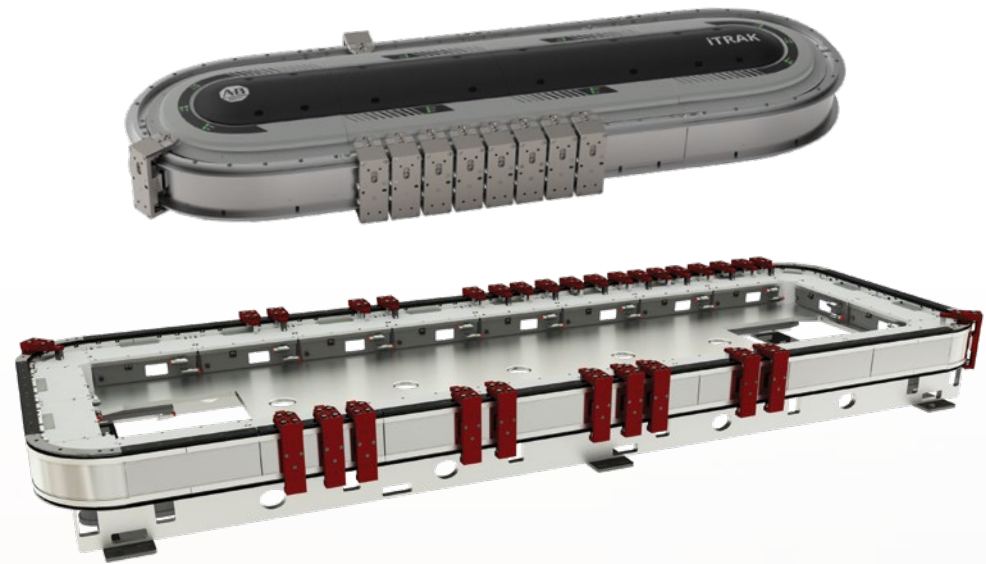


The future's coming fast! Keep up with iTRAK intelligent track systems

The iTRAK® intelligent track system is an innovative approach to motion control. This system is a modular, scalable, and linear motor system. It allows for independent control of multiple movers on straight or curvilinear paths. Gone are the rotary driven chains, belts, and gears of the past. iTRAK replaces hardware with simple, effective software profiles that redefine speed and flexibility in automation.

Using the iTRAK intelligent track system can help you:

- Increase production rates – 50% or more
- Minimize downtime for changeovers
- Reduce machine size
- Profit from smaller customized production runs
- Lower periodic maintenance



iTRAK 5730 Small Frame

The iTRAK 5730 Small Frame is designed with a reduced footprint for smaller machines. The 50 mm pitch makes it ideal for primary packaging applications such as flow wrapping, end load cartoning, and form, fill, seal pouching. The iTRAK 5730 small frame also easily integrates into system architecture, providing analytics that help optimize energy consumption, monitor parts wear and reduce downtime.

The iTRAK 5730 also features integrated safety, such as safe torque off and Safe Stop 1, at a SIL 3, PLe safety rating. Creating safety zones increases safety without compromising productivity. They allow motion to continue outside of the safety zone, even after there has been a trip inside the safety zone.

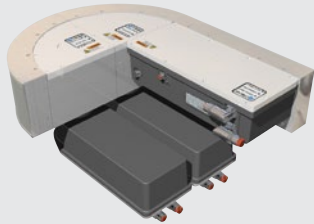
iTRAK Medium Frame

The iTRAK Medium Frame is designed for larger systems. It can be designed as large as 100 m in length with 250 movers. It's well-suited for applications with heavier payloads, such as automotive assembly or higher weight product packaging.

Features	iTRAK Medium Frame				iTRAK 5730 Small Frame
Mover Pitch	66 mm ~ 75 mm				True 50 mm
Footprint	Total Force Diameter: 600 mm Transverse Width ~ 250 mm				Total Force Diameter: 420 mm Transverse Width: 130 mm
Orientation	Horizontal / Vertical / Stand Up				Horizontal / Vertical / Stand Up
Forces	Motor Module	Mover Magnets			100 N Peak 36 N Continuous
		50 mm	100 mm	150 mm	
	50 mm	88 N*	185 N*	265 N*	
	100 mm	176 N*	370 N*	529 N*	
	150 mm	265 N*	555 N*	793 N*	
	*Peak Force; Cont Force: 46...417 N				
Speed	Up to 5 m/s				Up to 5 m/s
Payload	Up to 40 kg				Up to 4 kg, higher kg at low speed
Position Loop Update	1-2ms				250us
Repeatability	+/- 0.03 mm				+/- 0.01 mm
Max. System Size	256 sections, 250 movers				64 logical sections, 128 movers
Rail Design	Tooling Steel				Stainless Steel
IP Rating	IP65				IP66, with infield cover
Safety	Hardwired				Integrated safe torque off, SS1

iTRAK system components

iTRAK Series System Components



- Straight, 90° and 180° curvilinear motor sections are available in standard 400 mm (medium frame) and 300 mm (small frame) lengths
- Different force ratings available with various coil sizes, including 50 mm, 100 mm, and 150 mm
- Combine for racetrack, square or rectangle configurations to any length



Movers

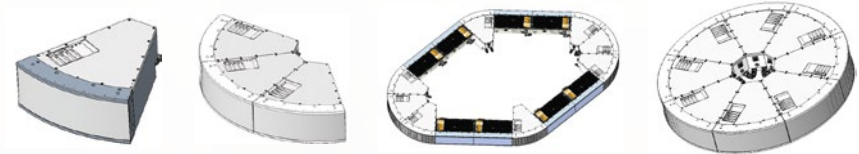
- Available in standard sizes to match motors or can be custom designed for specific applications
- Available for use with standard or customized bearing rails

Need something else?

iTRAK intelligent track systems can be engineered to order. Examples of engineered to order projects include:

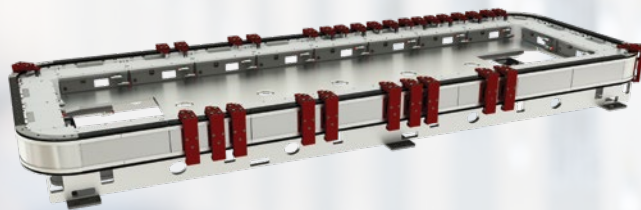
- Liquid cooled motor modules
- 45° and 135° curves
- Heavy payload movers
- Large radius curves
- And more!

For more information about custom iTRAK intelligent track systems, email ICTSupport@rockwellautomation.com.



iTRAK operating configurations

Horizontal



Vertical



Stand up 90°



Get moving!

Want to do some testing? The iTRAK 5730 Small Frame starter kit makes it easy to test before implementation. This plug-and-play kit allows you to test iTRAK intelligent track systems before redesigning your machine.

Starter kits are available in two sizes:

- Small: 600 mm straight track with 5 movers
- Large: 1200 mm straight track with 10 movers





The control panel includes:

- Compact GuardLogix® controller 5069-L380ERMS2
- Safety IO: 5069-IB8S, 5069-OB16
- iTRAK power supply 2198T-W25-ER
- Kinetix® 5700 DC bus supply, 2198-P031
- Kinetix 5500 line filter, 2198-DB20-F



SAP Material Number or KMAT number	Marketing Description	Technical Description	Catalog String 1
PN-585036	iTRAK 5730 Starter Kit Small	iTRAK 5730 Starter Kit Small, 600 mm straights, 5 movers, with control panel	2198T-SK-06-05
PN-585037	iTRAK 5730 Starter Kit Large	iTRAK 5730 Starter Kit Large, 1200 mm straights, 10 movers, with control panel	2198T-SK-12-10

Learn more about iTRAK at rok.auto/ICT

Connect with us.    

rockwellautomation.com ————— expanding **human possibility™**

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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