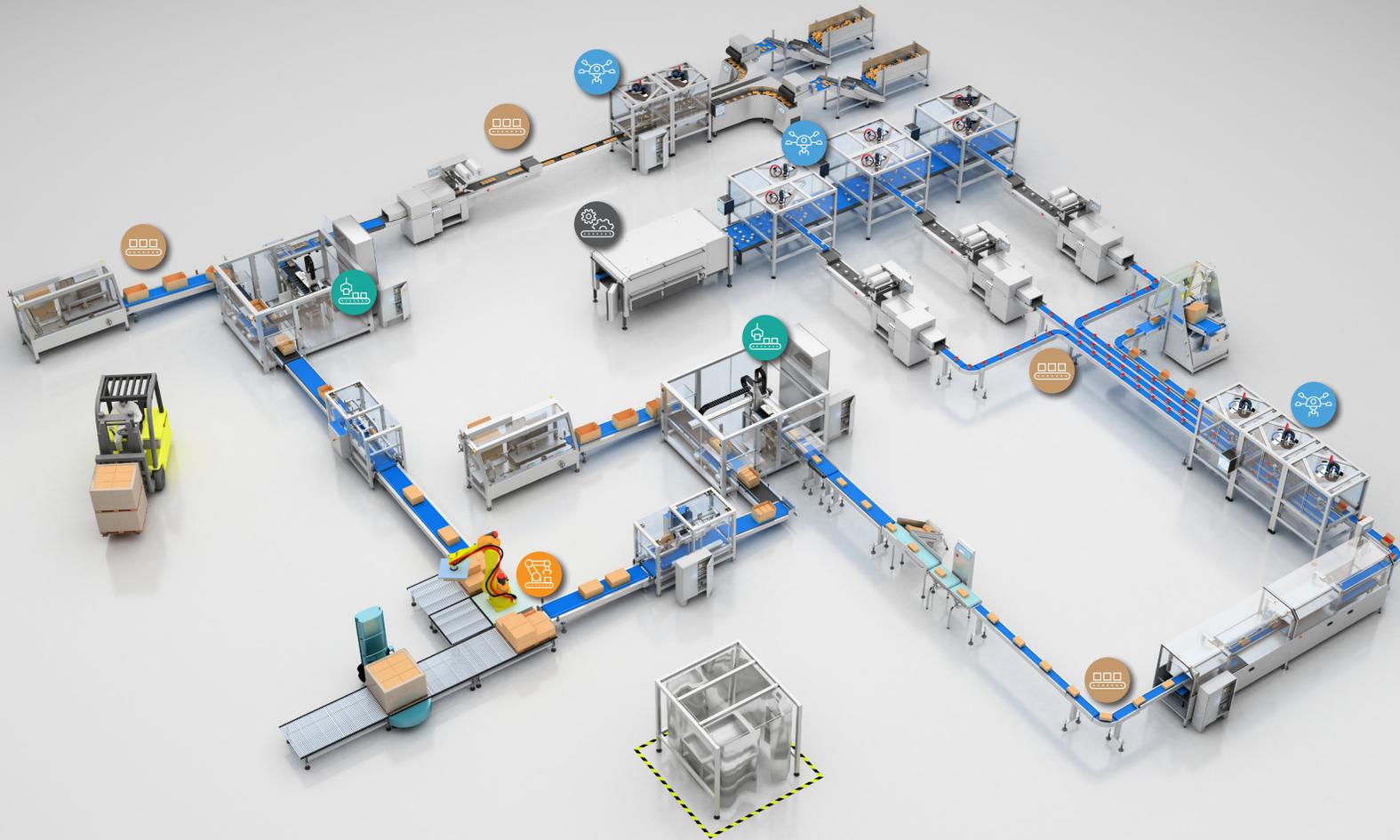


Industrial Automation Solutions

Discrete Manufacturing



Product Family	Product Line	General Application	Articulating	Conveyor	Delta	Gantry	Machine Tool
Xtra-Guard®	Xtra-Guard® 1	Stationary Control		✓			✓
	Xtra-Guard® Flex	Continuous Flex Control	✓	✓	✓	✓	✓
EcoGen®	ecoFlex™	Continuous Flex Control	✓	✓		✓	
	ecoFlex™	Continuous Flex Control	✓	✓		✓	✓
	ecoCable™	Stationary Control		✓			✓
Alpha Essentials	Data and Bus	Stationary Communication	✓	✓	✓	✓	✓



Articulated = robot with rotary joints



Conveyor = belt, roller, overhead and pneumatic



Delta = parallel robot that consists of three arms connected to universal joints at the base



Gantry = robotic arm mounted on an overhead rail system or frame



Machine Tool = machining metal or other rigid materials

Standard Product Ranges - Overview

Product Family	AWG Range	No. Elements	Shielding Unsh / Foil / Supra	Jacket Type	Voltage (V)	Flex Life (M cycles)	Temperature (°C)
 ecoFlex™	28 - 10	2 - 18	U / F / S	mPPE	600	1	-40 / +105
 ecoFlex™	28 - 20	2 - 25	U / F / S	PUR	300	-	-40 / +80
 ecoCable™	28 - 14	2 - 25	U / F / S	mPPE	600	1	-50 / +105
LSZH Control & Communication	24 - 20	1 - 12	U / IF / OS	LSZH	300	-	-20 / +75
Xtra-Guard® Flex	16 - 2	2 - 50	U / Braid	PVC	600	1 - 14	-40 / +90
Xtra-Guard® Flex (Data)	28 - 22	2 - 25	U / S	PVC	300	6	-10 / +105
Xtra-Guard® Torsion	24 - 10	3 - 7	U / Braid	PUR	600	1	-10 / +105

U = Unshielded **F** = Foil Shielded **FB** = Foil & Braid Shielded **B** = Braid Shielded **S** = Suprashielded

Discrete Manufacturing Automated systems are helping workers shift away from dull, dirty and dangerous jobs to become observers, overseers, analysts and trailblazers in digital manufacturing. Removing people from low-interaction, high-repetition and unsafe tasks can positively impact labor and the bottom line right away.

Discrete Manufacturing Automation applications range from tracking inventory and monitoring equipment runtime to mixing chemicals and accurately producing thousands of units in a short amount of time. By automating manual processes to prevent disruption and inaccuracy, personnel are free to focus on digital transformation while your plant experiences lower operating costs, better production efficiency and less unplanned downtime.

Alpha Wire designs cables that address the unique demands of machine tools and static control in automated system applications. The result: cable solutions that maintain performance and consistency to ensure constant uptime and control.