



WITTENSTEIN

## WITTENSTEIN North America Brings XP+ Production Stateside

The most power-dense and dynamic planetary gearbox  
on the market - now produced in the U.S. for rapid availability

*April, 2022, Bartlett, IL* – XP+ production comes to Bartlett, IL. Extremely compact and engineered for maximum performance, the XP+ establishes new standards for motion control. The XP+ features the highest torque density in the market – combined with maximum torsional rigidity and titling moment capacity. As part of WITTENSTEIN's commitment to innovation and excellence, the XP+ is now produced locally in our North American headquarters for wide availability and quick delivery.

### **XP+ Exceeding Standards. What Your Application Needs.**

The XP+ planetary gearbox is designed for the highest precision and dynamics in its performance class - and is regarded as a benchmark in planetary gearing. It improves on torque capacity for the market standard by over 100 percent – increasing the dynamics and productivity of your machine. To achieve this, the gearbox features an output shaft with a larger diameter. Additionally, the flange has eight bores to absorb additional torques and external forces. The rigidity of the XP+ is almost 60 percent higher than the market standard - this provides the application with additional precision, repeatability and process quality, but also enables cycle times to be shortened by maximizing acceleration on the machine for increased productivity. Rack and pinion drive solutions become stiffer overall as a system with the XP+ - allowing for higher loads and feed rates. The special bearing arrangement in the gearbox reduces the overall length and resists tilting moments by up to 300 percent. The bearings are mounted directly on the output shaft, eliminating the need for a costly external bearing arrangement. This saves installation space and, above all, costs, to deliver maximum value for price and performance in your system.

### **XP+ Going Local. Where You Are.**

Our commitment to our customers means that we strive constantly for improved delivery, reduced lead times, and developing the most dynamic, reliable, and precise motion control products in the world. Which is why it was necessary to bring the production of the XP+ to Bartlett, IL. This shift will allow for shortened delivery times, increased flexibility and expedited service for our customers in the U.S., Canada and Mexico.



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“By bringing XP<sup>+</sup> production to the US, we increase our product offerings with local availability,” said Tom Coyle, Director of Sales for North America. “Our experienced Sales Engineers always work with the customer to find the best solutions for their machines - ones that reduce their costs to build without compromising productivity or precision. With the XP<sup>+</sup>, we deliver the best price-to-performance value in the market for motion control.”

Additionally, our preferred standards quick-ship program allows for select configurations to ship in a matter of days. WITTENSTEIN North America currently manufactures 75% of our entire portfolio locally. With the addition of the XP<sup>+</sup>, this figure continues to grow and sets the stage for increased local production over the next 5 years.

### **XP<sup>+</sup> Staying Fully Connected. Digitalization and IIoT.**

With cynapse® - an integrated sensor module with an IO-Link communication interface as well as integrated data visualization and communication - the XP<sup>+</sup> offers Industry 4.0 connectivity and digital twin as standard. This opens the option of using digital services to monitor process quality, increase machine availability, and detect faults before they occur.

With Industry 4.0 insight into in all points of the drive train, cynapse® ensures maximum transparency and reliability in your processes. It enables machines to become part of the networked production environment of a smart factory. Furthermore, this intelligence and connectivity form the basis of our digital smart services with added value that go far beyond predictive maintenance. It opens new levels of connectivity for machine builders.

### **XP<sup>+</sup> Adapting to Your Needs. Personalized Solutions.**

The XP<sup>+</sup> is available in various sizes as well as different configurations: inline planetary gearbox, planetary gearbox with a hypoid or bevel gear stage, and premium linear systems. Included with the Premium License of WITTENSTEIN alpha's cymex® 5 design software, you can size the XP<sup>+</sup> for your application. Moreover, WITTENSTEIN North America's engineering expertise and consultative approach ensure the optimization of your servo system with the best fit, price, and performance for your needs.

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#### **About WITTENSTEIN North America**

Since 1992 WITTENSTEIN North America has supported customers in the United States, Canada, and Mexico with servo components, servo drive systems, servo sizing and application expertise. Regarded worldwide as the premier provider of the highest quality servo gearboxes, motors, actuators, and drive systems, the company also provides specialized design support for the most demanding and complex applications. Located in Bartlett, Illinois, USA, WITTENSTEIN North America is the regional headquarters for North and South America and is the location of the Company's "Mechatronic Center of



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Excellence", dedicated to providing servo solutions for flight trainers, critical applications and harsh environments. WITTENSTEIN Inc. is certified to the latest ISO 9001:2015 standard. Learn more at [www.wittenstein-us.com](http://www.wittenstein-us.com).

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