

xLine **LINEAR SERVO ROBOTS**



PASSION FOR AUTOMATION

OUR PHILOSOPHY

HERITAGE

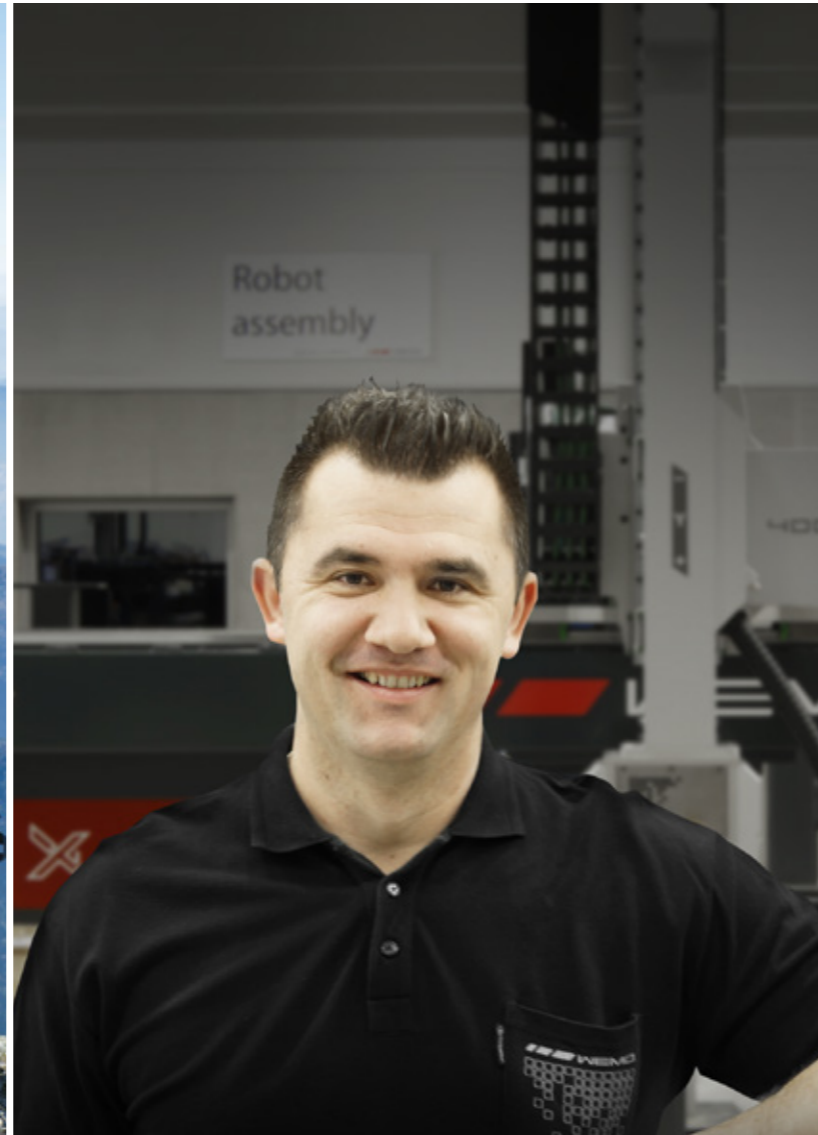


HERITAGE

IDEALS & INSPIRATION

The existence of Wemo Automation is and has always been based on the initiatives of incredibly innovative people, with a natural connection to life. Our inspiration comes from the silence and clarity of nature which is fundamental to our way of life and work. Using the philosophy of nature inspires us to find the easiest and most simple way to use state of art technologies.

This is what we call "NORDIC INSPIRATION"

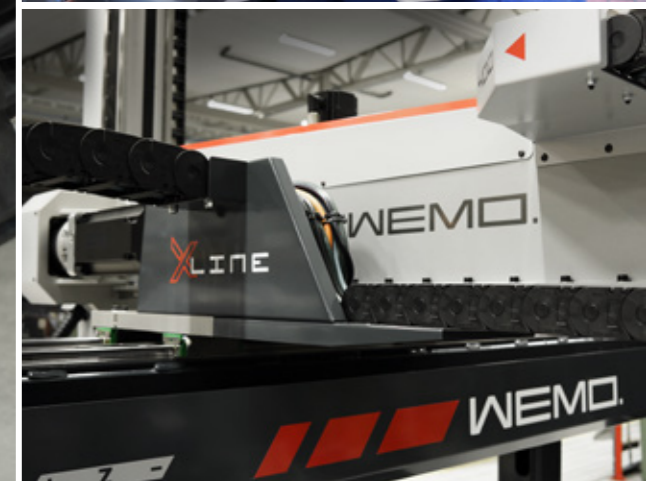


PASSION FOR AUTOMATION

The company Wemo has always been based on the initiatives of incredibly innovative people - people who love what they are doing and with high ambitions. Our specialists in robot manufacturing ensure the highest quality and long product lifespan.

STAFFED BY ENGINEERS

Our professional support team analyses our customers' situations so that they can provide training and a maintenance procedure for trouble-free operation. Wemo has an active, well-educated network for support in more than 40 countries around the world.



AUTOMATION FACTORY

HIGHEST LEVEL OF QUALITY

Our modern automation factory is staffed by engineers with the ambition of continuously achieving new levels of user friendliness and flexibility. Our range of modern machines ensures production of precision parts to the highest level of quality. This results in innovative solutions from our modular platforms to provide customers with turnkey solutions.

PASSION FOR AUTOMATION

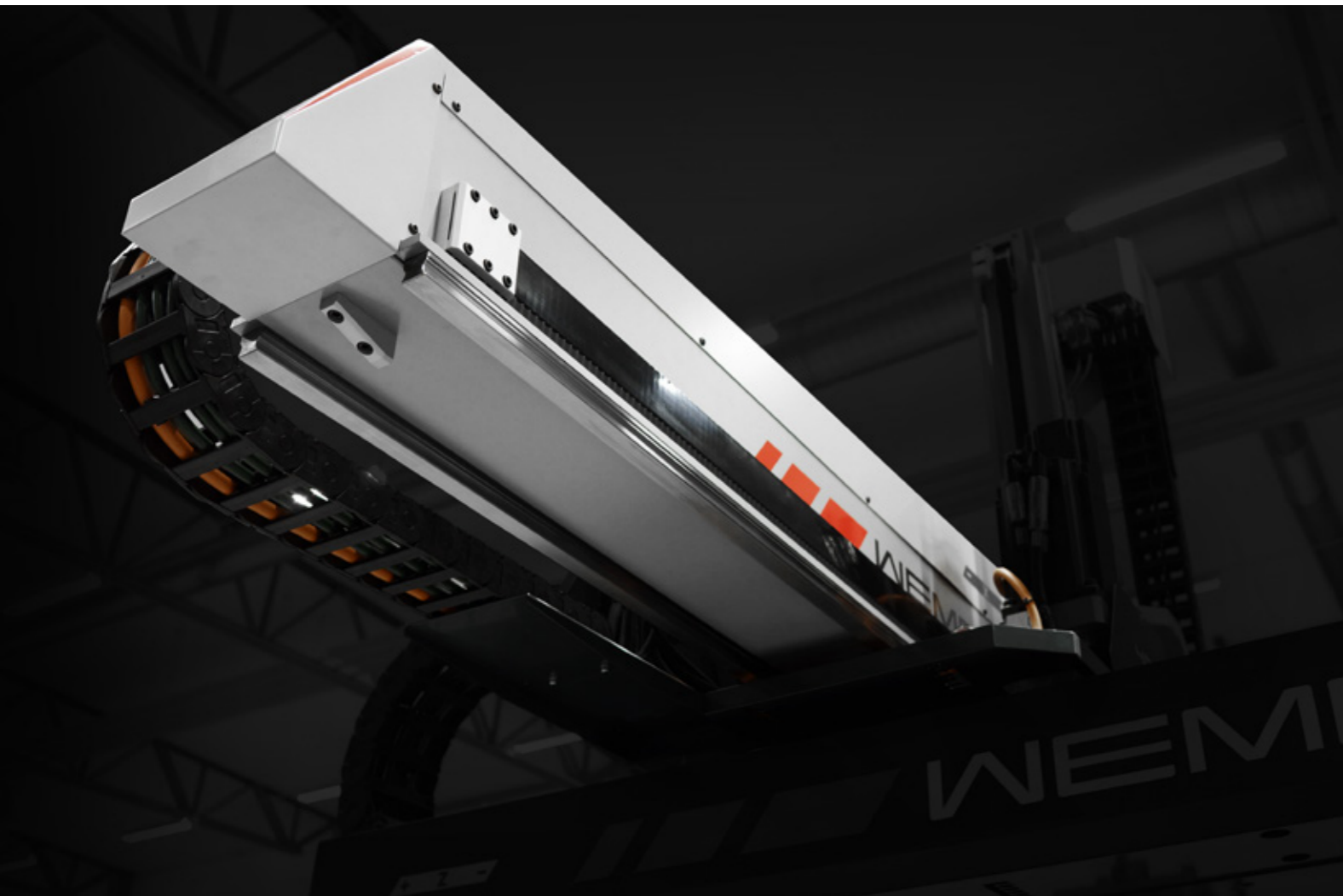
STATE OF THE ART POLE POSITION

PROVEN DESIGN NOW EVEN BETTER

STABILITY

The proven design of the xLine robot range is based on more than 20 years of applications in the plastic industry. Stability and stiffness result in high accuracy for insert moulding and takeout. The new laser welded axes makes higher strength compare to aluminium profiles and result in higher working load and weight optimisation.

HIGH PRECISION



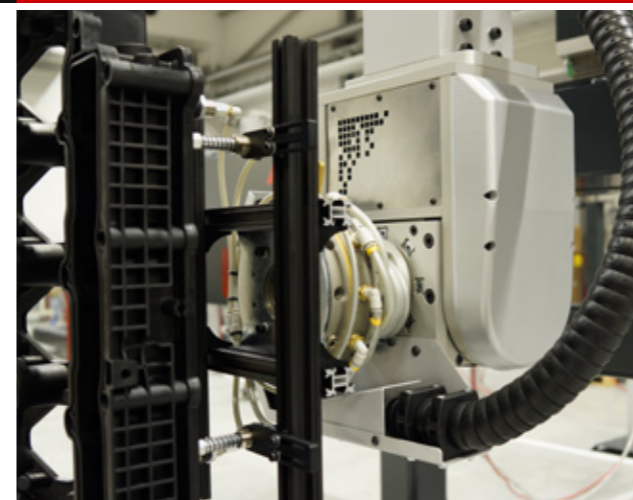
L E A D
T I M E

STATE OF ART

POLE POSITION

We are passionate about achieving flexibility in the design of our products. Our ability to put technology to multiple uses results in higher productivity for your manufacturing processes. The use of sustainable materials and dimensioning places Wemo products in pole position.

Our highly efficient internal manufacturing department uses the latest technologies to create high value processing.



HIGHER PRODUCTIVITY

FLEXIBILITY

MORE OPERATIONS

With the powerful and dynamic motions this robot enables a more efficient use of the robot. With servo driven rotation axes this linear robot concept is the perfect solution for using the robot for more operations like assembly, quality control and packing.

INNOVATIVE SOLUTIONS

1



Laser welded axes makes higher strength and lower weight

2



With highly efficient integrated vacuum ejectors, the consumption of compressed air is considerably reduced.

3



Free released axes function eliminates forces on the vertical arm and ensures long lifespan of bearings and linear guides.

4



Powerlink bus system for fast reactions and precise synchronisation with response time below 0.5 milliseconds to reduce delay times in the process.

5



To save energy consumption and reduce mechanical wear, we have developed an eco-function for adaptive adjustment of cycle time to the actual cycle of the machine.

1-5
OF MANY MORE

BENEFITS

We are proud of innovative solutions that break barriers and set new standards of performance. By using our wealth of experience in robot manufacturing we ensure that we continue to bring optimised solutions for higher productivity to our customers.

ADDED VALUE

EFFICIENCY & REALIABILITY



- ✓ 19% HIGHER PRODUCTIVITY - WITH PERFORMANCE PACKAGE AS STANDARD
- ✓ 78% LESS ENERGY CONSUMPTION - WITH VACUUM SAVE FUNCTIONS
- ✓ 98% AVAILABILITY - THANKS TO HIGHEST QUALITY COMPONENT INSIDE
- ✓ 100% ERGONOMIC - WITH MORE USERFRIENDLY SOFTWARE AND FAST SETUP TIME

THIS RESULTS IN A
LOWER TOTAL COST

TROUBLE FREE MANUFACTURING.

It is an important decision to evaluate the right automation concept for your production. You want maximum output from your equipment, consistent product quality and trouble free manufacturing. A profitable investment also needs a fast return of investment to achieve low total running costs.

MAXIMUM OUTPUT

Wemo robot systems offer all of that.

MECHANICAL ADVANTAGES



With our service and remote system it is possible to access the robot within your company or by using a standard web browser from any location. It will also reduce downtime and costs if a fault occurs.

WEMO REMOTE SYSTEM GLOBAL CONNECT



THE SIMPLIEST WAY IS THE FASTEST WAY

The unique WIPS (Wemo Intuitive Programming System) guides the operator through the program. It's fast and easy to learn, meaning minimum programming time. A complete program has now been created with simplified instructions. 100 rows of code have been reduced to only 5 symbols.

THIS MAKES THE WIPS SOFTWARE POWERFUL AND EASY TO USE.

As option its also possible to get Hahn RMP software in the xLine robotrange. With the same type of ergonomic handheld with full color touch screen and joystick.

The RMP control system includes 8 locally defined workspaces, USB ports enabling easy access for program loading and back up, 9 freely programmable soft keys and an economymode for energy savings.

THE RIGHT
CHOICE

OPTIMAL SOLUTION

XLINE

The xLine is designed for all types of application for moulding of technical parts for more complex automation. With the movable x-beam and results in a more compact use in different applications. Especially for handling larger parts like in automotive industry.



Type		120 xLine	250 xLine	400 xLine	600 xLine	1000 xLine
Machine size	ton	100-500	500-1000	800-1500	1300-2500	2000-5000
Maximum payload, without C-axis	kg	21	45	60	113	125
Maximum payload, with C-axis	kg	18	33	48	80	100
X-stroke	std/max.	580/920	1200/1500	1200/1500	1500/2000	1500/2000
Y-stroke singlearm	std/max.	1200/1600	-	-	-	-
Y-stroke telescopic	std/max.	1200/2000**	1600/2400	1800/2400	2000/3000**	2000/2500**
Z-stroke	std/max.	1850/5450	2500/8500*	2500/8500*	3500/10500*	3500/10500*
rotation axes pneumatic	axis	C-/B-/A-	C-	C-	C-	C-
rotation axes servo	axis	C-/B-	C-/B-/A-	C-/B-/A-	C-/B-/A-	C-/B-/A-
Handheld panel & software	type	W-HP7 with WIPS Plastic or RMP software as option				
		* Longer Z-strokes available on request		** Reduced payload		

WIPS. PLASTIC R M P

100-5000 TONNES.

XLINE

With the latest development of robots, it covers machine sizes from 100 to 5000 tonnes. With an increased handling weight and faster movement it will be the right choice for flexible high end automation solutions.

MODEL
RANGE

The small series: 100-500 tonnes



Wemo 120 xLine

The middle series: 500-1500 tonnes



Wemo 250 xLine



Wemo 400 xLine

The large series: 1300-5000 tonnes



Wemo 600 xLine



Wemo 1000 xLine

OPTIONS FOR FLEXIBLE USE



A/C combination axes

Compact rotation axes for more flexibility and cost effective applications.



Wide range for extension of axes

Several stroke lengths for all axes and telescopic versions of vertical arms.



External servo axes control

With the new WIPS control system it is possible to control up to 6 external servo motions from the handheld panel on the robot.



Bus communication between robots

Robots can be connected by Ethernet power link and integrated safety functions for more complex automation solutions.



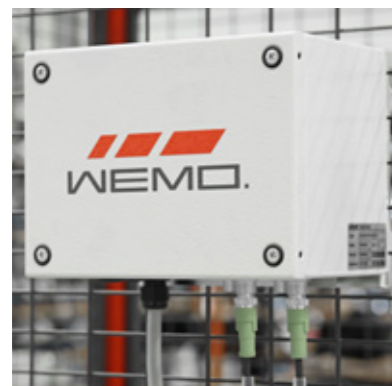
New safety switches

Fulfil the new CE safety regulations EN 2006/42/EC with electromagnetic locking with coded non-contact function.



External I/O box

Control of downstream equipment by the PLC software in the handheld panel on the robot.



Conveyor control unit

Belt pacing control of conveyors and box handling system with inputs & outputs for sensors and cylinders.



Automatic central lubrication

The robot calculates the used distances and ensures optimised quantity of lubrication for maintenance-free operation.



Wemo Remote System (WRS)

Software to monitor and operate the robot on a tablet or mobile device connected to WIFI or GSM.

CONFIGURATIONS FOR YOUR NEED

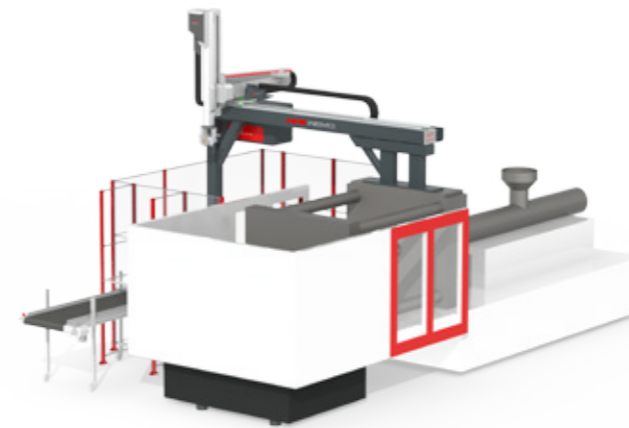
MOST COST EFFICIENT

REDUCE THE FLOORSPACE

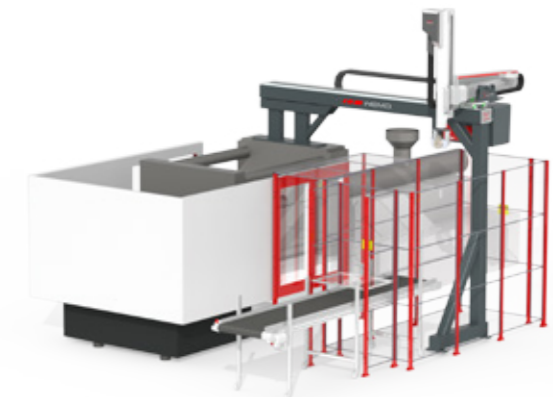
Whatever the layout of your factory, there are several solutions to how you can use our robot systems. The most cost-efficient and popular way is the rear side application. The new mirrored placement of the Y-axis reduces floor space.

Let us show you other solutions according to your needs.

Rearside (non operator side)



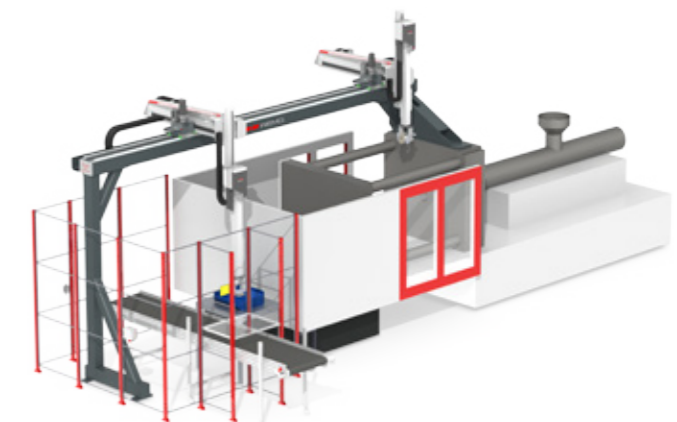
Operator side



Multi K application



Lengthwise with tandem solution (two independent robots on one Z-axes)





WEMO ROBOT SYSTEM



WEMO GRIP SYSTEM



WEMO CONVEYOR SYSTEM



WEMO SAFETY SYSTEM



WEMO PERIPHERAL SYSTEM



WEMO APPLICATION SYSTEM

PASSION FOR AUTOMATION



Wemo Automation AB
Tel: +46 370 658500

Bredastensvägen 12
Fax: +46 370 658519

SE-331 44 Värnamo Sweden
Lat: N 57° 9,461" Long: E 14° 4,728"

WWW.WEMOGROUP.COM