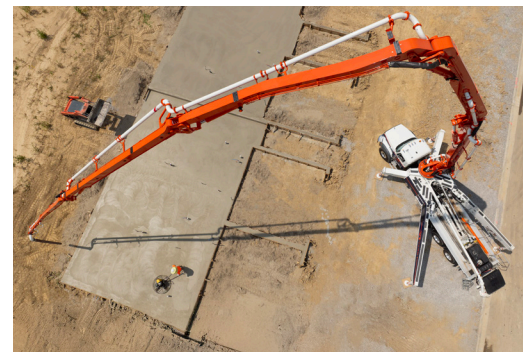




Putzmeister



iSA & Full Flex

Technical specifications

Fully flexible outriggers with intelligent Setup Assistance (iSA)

iSA with Full Flex pedestals

Since our founding, Putzmeister has promised to deliver the latest in innovation and technology. From the evolution of the Ergonic software to the highly acclaimed OSS system, our products have been the leading solution for all your jobsite needs.

We are proud to introduce the latest achievement to the Putzmeister portfolio: intelligent Setup Assistant (iSA) and Full Flex pedestals. Combining our industry-leading engineering and experience, iSA and Full Flex provides the most intuitive reach assistance available — safely and efficiently.





flex **iSA** inside MAXIMUM REACH AND VERSATILITY

iSA

The iSA control system is the evolutionary software and user interface experience. The successor of OSS, iSA provides a detailed overview of how far the boom can reach. The operator simply sets up the machine according to the conditions of the jobsite — iSA calculates the possible working range live on the EGD or radio remote control.

Full Flex pedestals

Full Flex pedestals offer infinitely variable support positions for the telescopic and slewing legs*, ensuring safe setup even on the most restrictive jobsites. Infinitely flexible outrigger leg positions paired with iSA ensures your projects are completed safely, and in no time.

*see list of supported models on page 7.

intelligent Setup Assistant (iSA)

iSA — Our most supportive system ever

Putzmeister is revolutionizing concrete pump set-up assistance with iSA, providing a significant improvement with machine reach and flexibility – up to 30% bigger working ranges on both sides.

iSA (intelligent Setup Assistant) is the intelligent control of the support system. In conjunction with Full Flex pedestals, iSA allows for intermediate support positions while also calculating the possible working range depending on the current outrigger configuration. iSA also provides a virtual reach simulation on the Ergonic Graphic Display or the radio remote control without ever needing to move the machine.



iSA functionalities on the EGD

Level overview

Check the machine inclination

Reach simulation

Change the outrigger and support leg configuration and get a live calculated working area

Front and rear support

Shows the validity and extension status for the front outriggers and rear support legs



Live machine position

Illustrates the current position of the outriggers, support legs, and the boom

Reach and slewing gear

Shows the maximum reach with the current boom position

Inclination

Lists the horizontal and vertical inclination

iSA Status

Shows if iSA is turned on or off

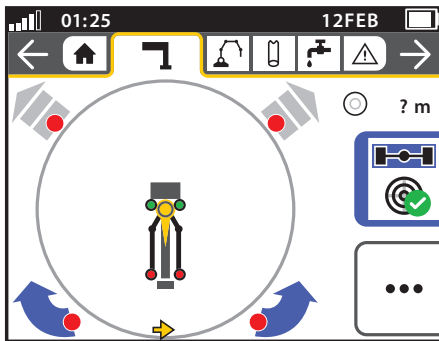
Live working area

Map of the working area for the current support configuration, including the boom position and center of gravity

Complex calculations, simple operation

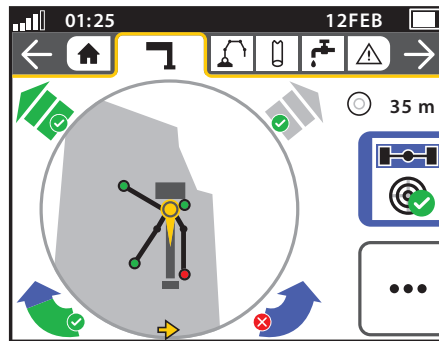
iSA — intuitive and straightforward

Setting up your machine is simple with iSA. An easy-to-understand user interface and adjustable parameters makes setup quick and efficient, without sacrificing safety.



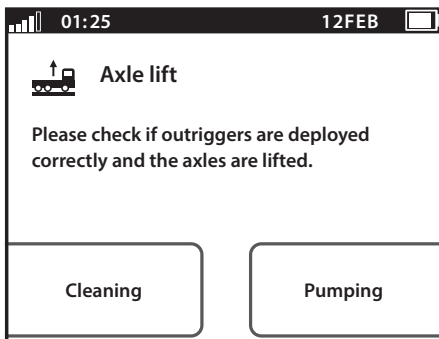
Step 1: Turn on iSA by using the switch on the control cabinet

The screen will display the machine folded.



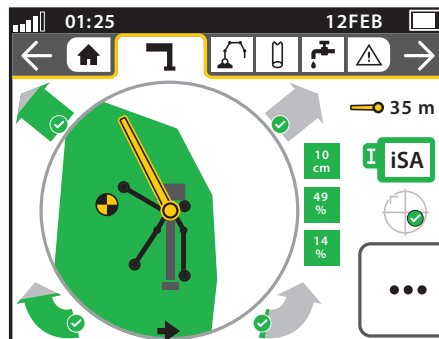
Step 2: Set up the machine

Configure the outriggers according to the jobsite space, and the machine will calculate the working area in gray.



Step 3: Switch to boom mode

Confirm the axles are lifted correctly by selecting "pumping".



Step 4: Review the reach calculation

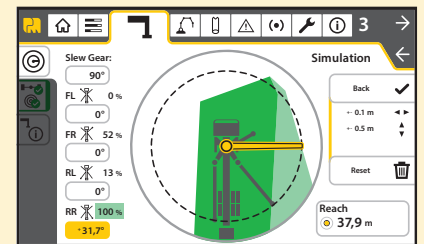
Now that the outriggers and support legs are in place, the calculated working range turns green. The black and yellow dot shows the live center of gravity.

Readjusting the outriggers when the boom is unfolded

Readjusting the outriggers while the boom is unfolded is safer than ever before. Now with iSA, the control system monitors the machine level. If the outriggers are repositioned in a way that can no longer properly support the boom, the machine will stop the lift cylinder movement, and a warning will be displayed on the screen.

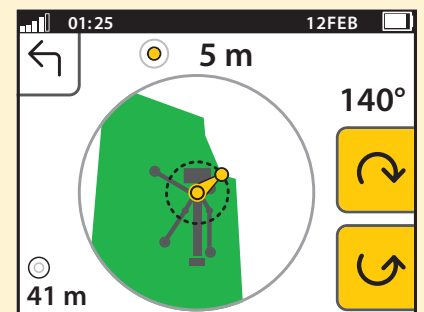
Virtual reach simulation

Time-consuming machine movements are a thing of the past. Now with iSA's reach simulation, the outrigger configuration can be changed virtually on the EGD without moving the machine. Operators can either use the simulation feature prior to setup to see if the required reach is achievable in the given space conditions, or simulate the necessary changes to reach the last corner of a jobsite.



Reach simulation on the EGD

The working range with the current support configuration is shown in dark green. The support leg values can then be adjusted individually, and the extended working area is shown in light green.



Reach simulation on the EGD-RC

A simplified version of the reach simulation is available on the radio remote control. If the machine is already set up, the simulation can virtually turn the boom to see the maximum reach in each position.

Fully Flexible for any jobsite

Infinitely variable support with Full Flex

With infinitely variable support with the Full Flex base structure, any leg position between zero and full support can be utilized, allowing you to operate your machine in the most restrictive jobsites. Setup is as intuitive and straightforward as ever: the machine operator adjusts the legs depending on the space available – the machine calculates the rest. Clearly structured data in real time, intuitive operation, and a radio remote control make setting up quick and easy.



A wide range of supported models

Available on models across the board

We know that every pour — large or small — requires the most effective and safest solutions, which is why we've redesigned select models ranging from the 20Z all the way up to the 63Z with Full Flex and iSA.

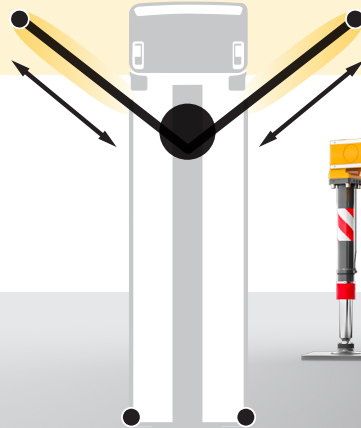
Improvements to the boom

The boom has an additional 180° slewing angle from the 20-meter class to the 40-meter class.

20Z, 28Z

Front outriggers

The front outrigger legs are fully flexible and allow for any intermediate position.



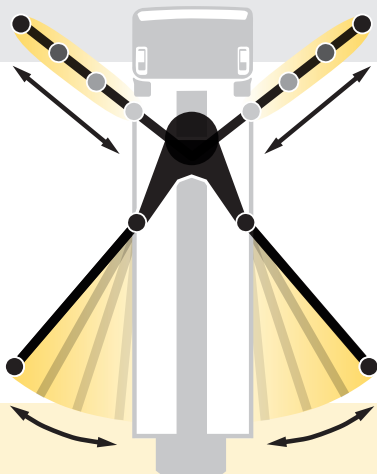
Rear outriggers

Rear outriggers are up and down.

38Z-5, 39Z *

Front outriggers

Zero support, 1st & 2nd positions, and full extension is allowed.



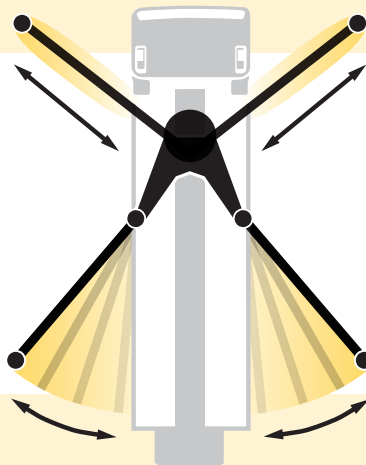
Rear outriggers

The slewing legs are fully flexible and allow for any intermediate position.

47Z, 56Z

Front outriggers

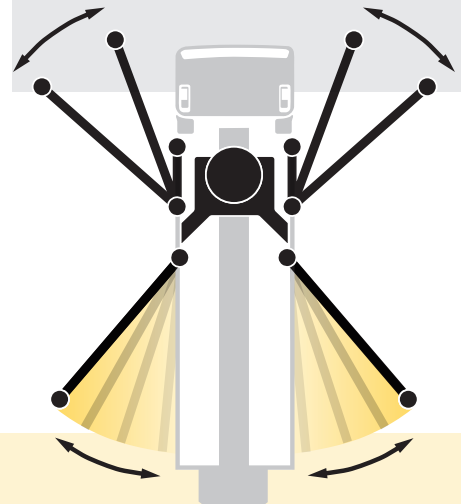
The front outriggers are fully flexible and allow for any intermediate position, including fully retracted.



63Z *

Front outriggers

The front outriggers allow for fully flexible slewing. Telescopic sections require full retraction or extension.



* Coming soon. See your salesman for pricing and availability information.

Here for you every step of the way

Our Putzmeister Promise

We build machines that increase your production and give you a competitive edge – and these machines are continuously developed. Innovative technologies and durable quality need to adapt to your ever-changing daily challenges. Our products stand for optimum output with low fuel consumption, wear, and costs.

Our customers will always have a thinking, intelligent partner in all their undertakings; a partner that will deliver to their exact requirements regardless of the complexity of the task or the remoteness of the scale. With knowledge and understanding backed by experience, we approach every task with renewed enthusiasm – be it a small scale construction or a mass assignment, tight deadlines, or unique concreting and manufacturing needs.

Your Putzmeister Team



Authorized Distributor © Putzmeister America, Inc. 2024. CT 5195-1 EN.
Photos and drawings are for illustrative purposes only and may not depict the final model.



Putzmeister

Putzmeister America, Inc.
1733 90th Street
Sturtevant, WI 53177 USA
Putzmeister.com

Phone (262) 886-3200
Toll-free (800) 884-7210
Fax (262) 884-6338
pmr@putzmeister.com