



XY Positioning System for Tire-Coupled Road Simulators

If your testing involves a wide variety of vehicle sizes, an MTS XY Positioning System will allow you to quickly and accurately adjust your MTS Model 320 Tire-Coupled Road Simulator to accommodate the physical dimensions of your test specimen.

MTS XY Positioning Systems are available in manual, powered or automated variations. Or, as an alternative, purchase a variant that meets your needs today and allows you to add functionality later.

Application Notes

- » For systems with actuators 50 kN (11 kip) or smaller
- » Track width range of +/- 300 mm (11.8 in) per system
- » Wheel base range of +/- 750 mm (29.5 in) or +/- 1500 mm (59 in) when installed on front and rear
- » Adjustment speed of 380 mm/min (15 in/min)
- » Hydraulic requirement of 38 liters/min (10 gpm) at 90 Bar (1000 psi)

MTS makes use of the hydraulic power already available in your lab to power the non-manual versions of the positioner.

be certain.

Positioner Description

- » Two track-width adjustment units
- » Two track-width units combined with wheel base adjustment units

Manual

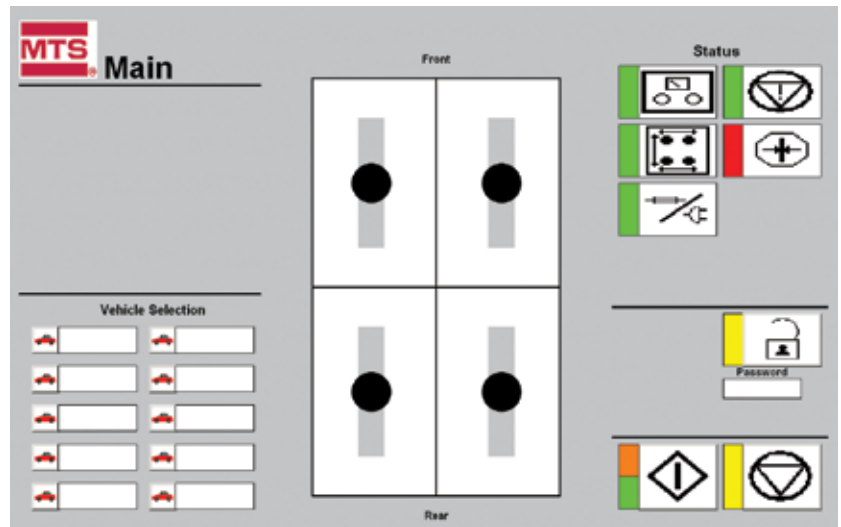
- » Full range of adjustment
- » Manual clamps
- » Adjustment by hand or powered wrench

Powered

- » Hydraulic manifold with hoses to connect between manifold and motors
- » Automated hydraulic clamps to hold position
- » Pendant to control for actuator placement

Automated

- » Hydraulic manifold with hoses to connect between manifold and motors
- » Automated hydraulic clamps to hold position
- » Pedestal control station to select pre-set positions



- » PC interface for system setup (to enter up to 10 positions) and control of system from the system's operator position
- » Interlocks with MTS' simulation controller to assure coordinated control of the XY Positioner and Simulator

For More Information

For pricing, selection assistance or more information, e-mail info@mts.com or contact your MTS sales representative.



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ISO 9001 Certified QMS

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