

SAKAI
MASTERS OF COMPACTION

**VIBRATORY
PNEUMATIC
TIRE ROLLER**

GW753



If you need any technical or service parts support on our products,
please contact this web page.

**SERVICE
HOTLINE**

www.sakainet.co.jp/english/

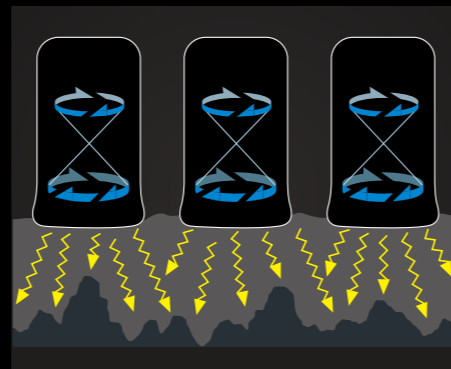
WORLD'S FIRST AND ONLY



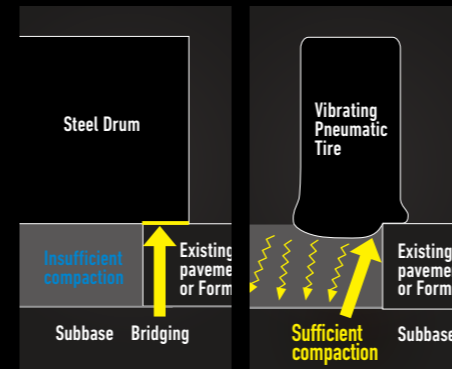
DYNAMIC KNEADING ACTION

- Four (4) amplitude settings to achieve the required density.
- High productivity on both large and small projects with the ability to maneuver in tight spaces on city streets, parking lots and cul-de-sacs.
- Density results achieved by the 9 ton GW753 are equal or higher than those of a 25 ton static tire roller.

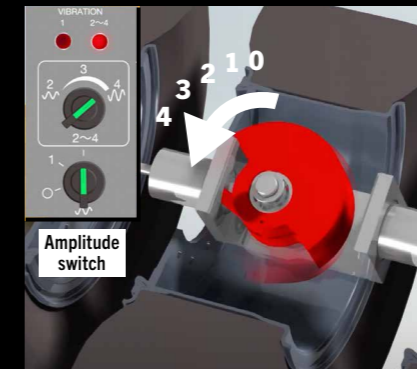
QR



Creates a better bond between the new overlay pavement and the old milling machine.



Produces tight longitudinal joints by eliminating the bridging effect that normally occurs with steel drum rollers.



Schematic diagram of variable amplitude vibration.

Amplitude setting*	Amplitude mm	Centrifugal Force kN	Equivalent compaction efforts to a static pneumatic tire roller ton	Applications and layer thickness (Examples)
Static	0.0	0	= 9	
1	0.1	8	≥ 10	Overlays and thin HMA layers, less than 5 cm
2	0.3	25	≥ 15	
3	0.5	42	≥ 20	Binder and base course layers, thicker than 5 cm
4	0.7	58	≥ 25	

*The amplitude selected and number of roller passes should be reconfirmed by test section.



180°

PERFORMANCE

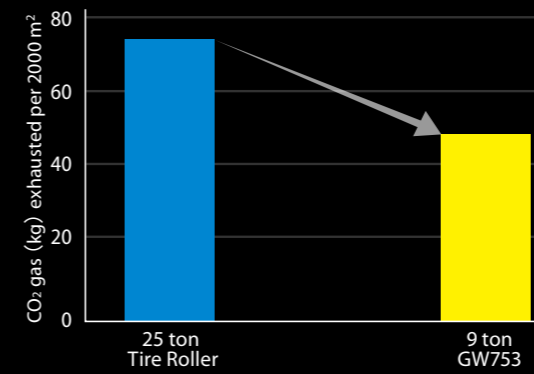


Saving in the trucking cost

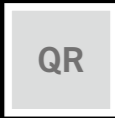
Approximately 40% reduction of the trucking cost by using the GW753 compared with a 25 ton static tire roller.

Easier and faster to move to and jobs due to lighter weight only 9 tons.

*Accumulated costs was used Japanese domestic data.



SAFTY



Upgraded to 180° rotating swivel seat

The operator's seat can be easily adjusted to 5 different degrees of rotation, comfort and excellent visibility of the drum's edge and rearward boosting its maneuverability.

SECURE STEPS

Additional 1 step to operator seat (3 steps in total)



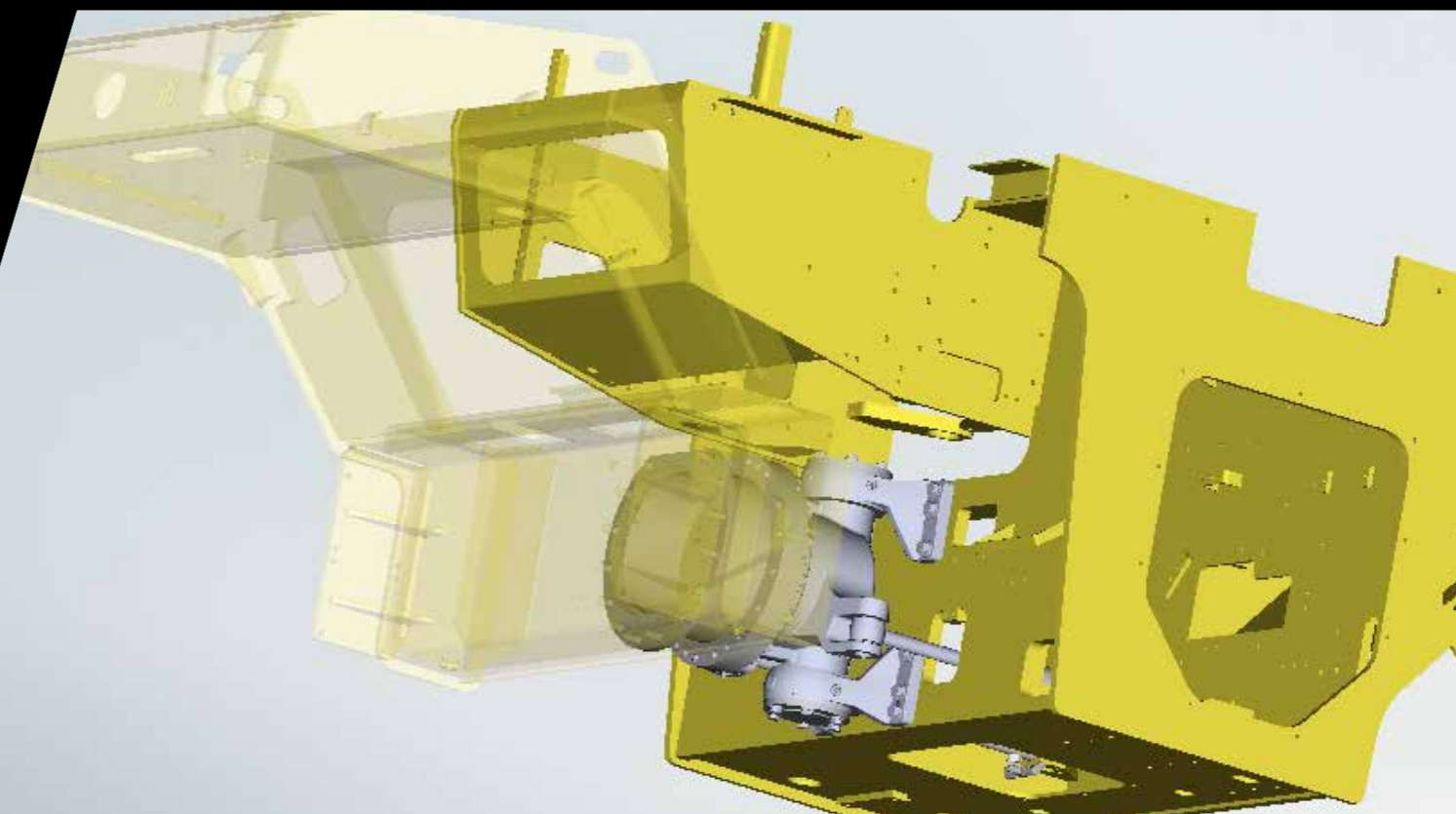
GW750-2

GW753

Center-pin articulated steering system

It ensures tire overlap when making turns (Up to 145 mm overlap between front and rear tires) and finishes HMA pavement smoothly.

The center-pin articulated steering system, enhanced maneuverability in tight spaces on city streets, in parking lots and along cul-de-sacs.



PRODUCT OVERVIEW

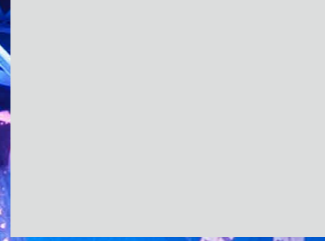
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>OPTION

- ROPS Canopy



- Canopy



>EASY ACCESS

- Fully opened engine hood

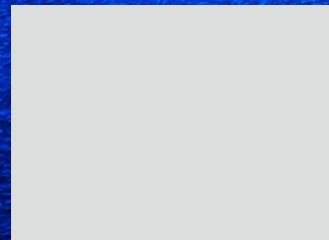


- Side doors accessible from the ground

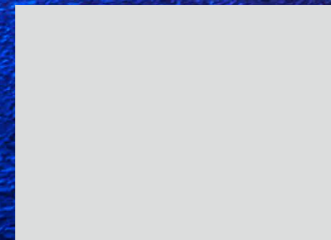


>OPTION

- Deluxe seat



- Additional handrail (front)



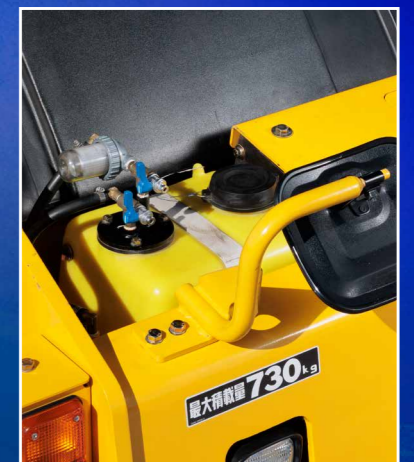
>BRAKE SYSTEM

- Service brake (dynamic brake) by FNR lever
- Emergency brake by brake pedal
- Parking brake by panel button
- Auto-stop in case of failure engine and/or hyd. system



>WATER SPRINKLER SYSTEM

- Plastic water tank (front-280L & rear-450L)
- Intermittent spray timer for the right timing
- Stainless spray bars
- Brass quick - mount nozzle with filter



>RELEASE AGENT SPRAY SYSTEM

- Plastic tank (Approx.20L)
- Stainless spray bars
- Brass quick - mount nozzle with filter
- Spray adjusting valves

