

Why use oscillation mode?

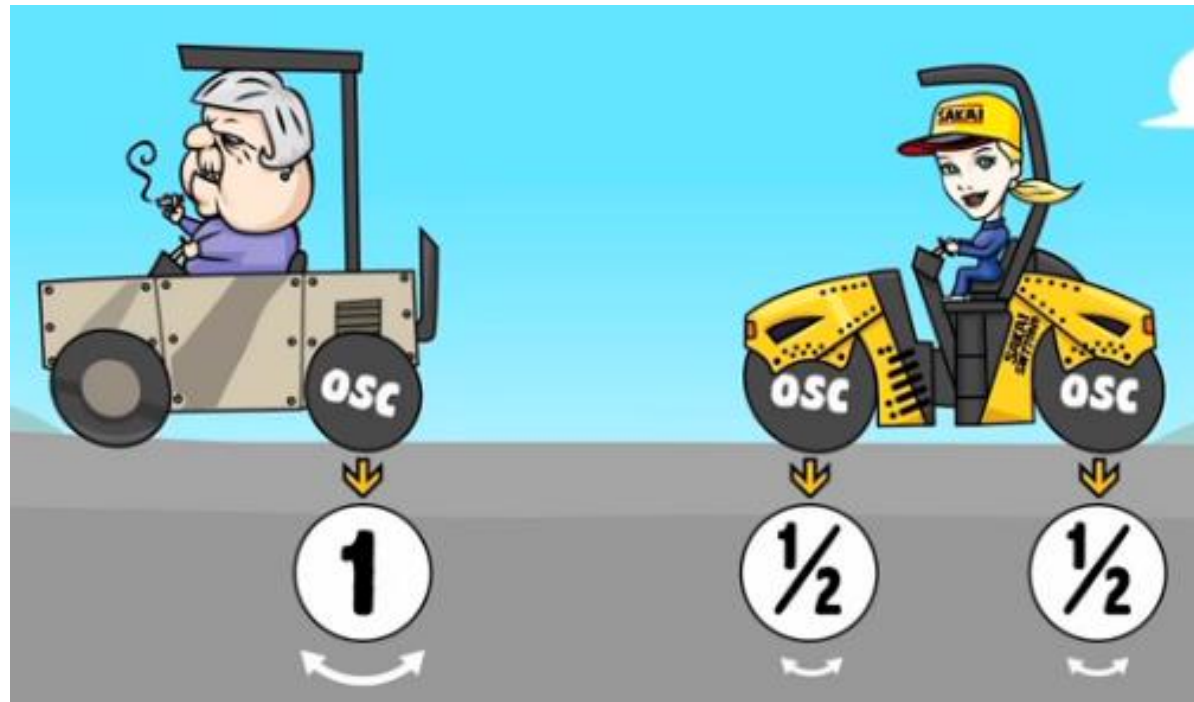
- Achieves density on no-vibe jobs like on bridges or in historical areas
- It's quieter than vibration mode, which is good for residential areas
- More suitable for thinner lifts under 2"
- Great for overlays on longitudinal joints
- Smoother finish

Why Sakai oscillatory roller?

- Both drums have oscillation, $\frac{1}{2}$ rotating force in each drum causes less shoving of the
- Gear driven, not belts that need to be replaced after 2000 hours
- Switch between oscillation and vibration on the move. Use vibration for high compaction and oscillation for smooth finish

Sakai "ND" Osc/Vib Rollers

- Sakai ND rollers have oscillation in both drums with total compaction equal to that for competitive single drum oscillatory rollers.
- Oscillation amplitude with a single drum is excessive. Single drum oscillation can lead to mat displacement in the early stage and slippage between the drum and pavement surface also occur



7 Modes of Osc/Vib System

SAKAI ND System		Variation 7			Front	Rear	Recommendation
				1	Static	Static	*Finish rolling
2	Osc	Osc	*Thin lift pavement under 2" *Bridge decks *Residential areas *Independent Osc for joint compaction	5	Vibe	Vibe	*Thick lift pavement over 2" *Independent Vibe for joint compaction
3	Osc	Static		6	Vibe	Static	
4	Static	Osc		7	Static	Vibe	