Contractors can excavate trench and install pipe faster than they can close the trench to a geo-technical specification. The constraint on trench work productivity is the comparatively slow process of soil compaction. MBW’s unique range of compaction attachments eliminates this bottleneck. The machinery is straight-forward and the approach MBW has taken makes sense to those who make a living doing trench work.

MBW’s patented line of wheel type compactors offers distinct and significant advantages.

MBW’s boom-mounted compaction wheels can be purchased in static or vibratory mode. W-Series Static Wheels are approximately 3 times faster than conventional spoke type static wheels. W Series Wheels feature full faced, padded, steel drums. As the pads are depressed into soil the full faced drum continues to apply compaction forces. 10 to 14 passes with a conventional static wheel are reduced to 3 or 4 passes with a W Series Wheel. Importantly, the W Series Wheel is easily converted to a vibratory wheel if and when soil type demands a vibratory compactor.

Our UVW Series of VIBRATORY WHEELS are pad footed and vibratory. Sand, gravel, mixed soils and clays are all brought to geo-technical specification with one compactor.

Because the boom of an excavator cycles much faster than a remote control trench roller or a spot compacting boom-mounted vibratory plate, compaction progresses at previously unknown production rates. It takes 6 trench rollers to keep pace with a single UVV Vibratory Wheel. A UVV Vibratory Wheel is up to 10 times faster than a boom-mounted plate.

Because up to ½ the operating weight of the host machine can be applied in the form of down pressure, far greater compaction forces can be brought to bear on the underlying soil. Difficult soils and/or varying soil types are dealt with efficiently by the UVV Vibratory Wheel.

Our W and UVW Series Wheels are solidly built machines. Shaft shear strength exceeds 700,000 lbs. Load bearing capacity of the two drum bearings is over 1,000,000 lbs. Maintenance is low... welcome relief to users of alternative compaction machinery.