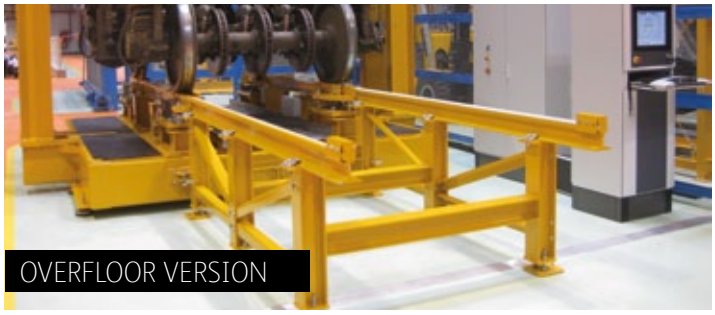
BOGIE TEST STAND TYPES AND FUNCTIONS				
Light	Loco	Coach	Evolution	Test functions
2	2/3	2	2	number of axles
■	■	■	■	Test load, synchronous or individual
■	■	■	■	Wheel load, load distribution
■	■	■	■	Wheel load - comparison: wheel /axle/average
▲	▲	▲	▲	Z-height – bogie above T.O.R. (top of rail)
▲	▲	▲	▲	Z-height – spring above T.O.R. (top of rail)
▲	▲	▲	▲	Measuring of the wheel diameter (manually)
	▲	▲	▲	Measuring of the wheel diameter (automatically)
	▲	▲	▲	Stiffness of the individual primary springs (Wheel load, travel of the spring under different loads)
▲	▲	▲	▲	Calculation of the shims (primary springs)
▲	▲	▲	▲	Calculation of the shims (secondary springs)
▲	▲	▲	▲	Leakage – pneumatic spring
	▲	▲	▲	Leakage – air brake system
		▲	▲	Axle impedance measuring
▲	■	■	■	Wheel shoulder – distance measuring
	■	■	■	Axle distance (l.h. and r.h.)
	■	■	■	Axle parallelism (calculated)
	▲	▲	▲	Axle angle
	▲	▲	▲	Axle distance diagonal
		▲	▲	Test load lateral
		▲	▲	Movement of the wheels under load in Y- direction
		▲	▲	Wheel eccentricity (X)
		▲	▲	Wheel eccentricity (Y)
		▲	▲	Wheel profile
		▲	▲	Axle rotation sensor
			▲	Wheel load dQ/Q
		▲	▲	Tilting angle
		▲	▲	Wheel set steering, navigator system
	▲	▲	▲	Customer specific functions on request

■ Included in the standard ▲ Option

the right bogie test stand solution for every requirement

Possible location alternatives



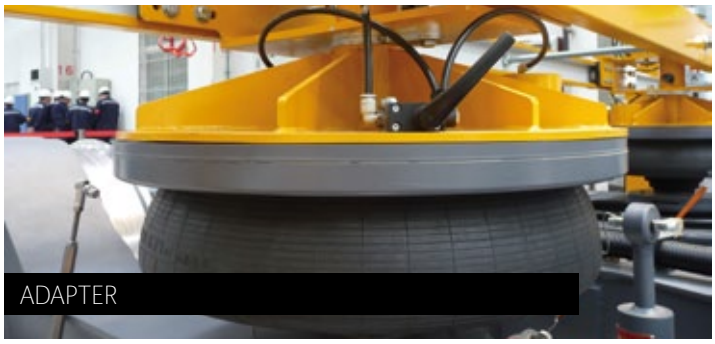
OVERFLOOR VERSION

Bogies must be placed onto the test stand by crane for loading and the later unloading. The integration into a client's assembly line is possible.

PIT VERSION

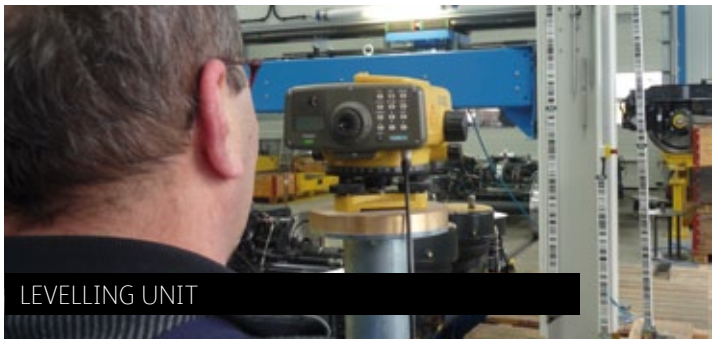
The most productive way of operation.

Accessories



ADAPTER

This is the mechanical interface between load application and the bogie. A very important bogie-specific component for an accurate load application.



LEVELLING UNIT

For height measuring and calibration of the system.

ADDITIONAL TABLET-PC

For the efficient measuring underneath the bogie by the measuring arm etc. Industrial type with additional emergency stop.

MEASURING UNIT

For length dimensions, wheel diameter, wheel profile etc. With direct interface to the control.