

Tire Uniformity Machine PTU-E

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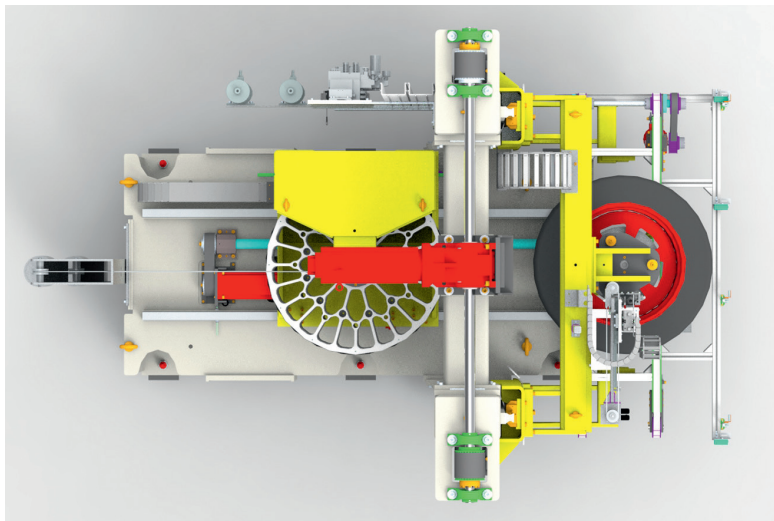
Purpose of the machine: The automatic SEIB Uniformity Machine for Tires and/or Tire/Wheel Assemblies allows a comprehensive quality evaluation.

Range: P/C up to light truck dimensions.

Function: Precise, short cycle time, wide range of analysis.

Design: Welded machine frame for quality control purposes. Electrical system as PLC; Industrial Computer for evaluation, display and processing of the measured results, capable for network.

Options: e.g. Run out detection and Machine concept is prepared to extend to two measuring stations (double station).



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Tire Uniformity Maschine PTU-E PKW



technical data	min.	max	specifications	min.	max.
tire outside diameter	21 in	37 in	Reifen Außen Durchmesser	500 mm	950 mm
tire bead diameter	14 in	24 in	Reifen Innen Durchmesser	14 in	24 in
rim width	4 in	12 in	Felgen Breite	4 in	12 in
off set (ET)		100 mm	Einpresstiefe		100 mm
spindle speed		60 RPM	Rad Drehzahl		60 U/min
approx.Number of Rotations per measuring run		3	Anzahl Umdrehungen pro Messlauf ca.		3
tire loading max. radial force		10.000 N	Anpresskraft max. (Vorlast)		10.000 N
radial force variation		500 N	Messbereich Radialkraft schwankung		500 N
lateral force variation		500 N	Messbereich Lateralkraft schwankung		500 N
lateral force		1000 N	literale Kraft		1000 N
connicity		500 N	Konus Effekt		500 N
ply steer		500 N	Winkeleffekt		500 N
radial force variation 1. harmonic		500 N	Radialkraftschwankung 1. Harmonische		500 N
lateral force variation 1. harmonic		500 N	Lateralkraftschwankung 1. Harmonische		500 N
repeatablity standard variation 1 S		2,5 N	Reproduzier - /Standardabweichung 1 S		2,5 N
tyre weight		150 lbs	Reifen/Radgewicht		68 kg
tread width		12 in	Laufflächenbreite		320 mm
load wheel diameter		33,6 in	Lastrad Aussendurchmesser		854 mm
load wheel width		16 in	Lastrad Breite		400 mm
machine specific cycle time (single direction run) depending on tire characteristics, load and test parameters		15 sec	Maschinenzeit (eine Drehrichtung) abhängig von Reifeneigenschaften, Vorlast und Testbedingungen		15 sec
machine specific cycle time (double direction runs) depending on tire characteristics, load and test parameters		22 sec	Maschinenzeit (zwei Drehrichtungen) abhängig von Reifeneigenschaften, Vorlast und Testbedingungen		22 sec
connecting power		40 kVA	Anschlussleistung		40 kVA
air consumption		40 Nm/h	Luftverbrauch		40 Nm/h



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