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in-line Kempink tester

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The WEMO in-line Kempink durability (PDI) tester meets today's automated sampling process requirements. Pre-sieving, proportion, testing and weighing of the fractions, starts as soon as the factory automation has led the sample to the tester. After the test cycle, the PLC communicates the data with corresponding references back to the MES system. Each batch can thus be tested, for an ascertained quality system.

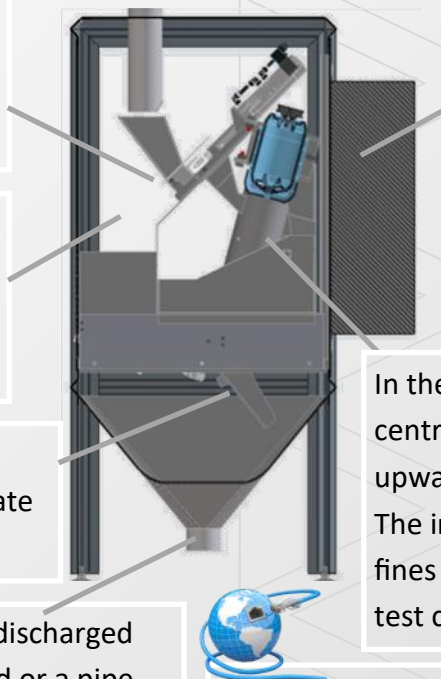
For a reliable, accurate measurement of the durability (PDI), fines from the process are separated in the rotating sieve on top of the tester. Each test thus begins with a clean sample of only pellets.

After the sieve, a sample is measured in a compartment for an optimal test volume (approx. 200 cc).

Transparent side panels visualize the process and state of maintenance. The service door gives access for periodic cleaning.

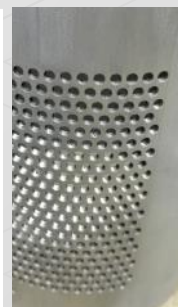
The scale registers fines and pellets separately, so that the PLC can calculate PDI values.

The remaining and tested pellets are discharged downwards. A container can be placed or a pipe mounted that leads to a lower floor.



The control unit of the Kempink tester, programmed identically to the laboratory tester, has been extended for the in-line tester with the weighing card and all elements for the sieve, the beater and the communication with the factory (MES) automation system.

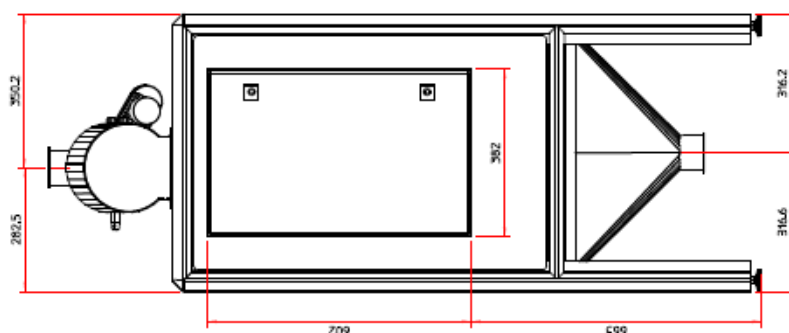
In the test cylinder, the sample is centrifuged, as it were, with the upward airflow of the double fins. The integrated sieve separates fines from the pellets during the test cycle.



For remote support, the Ixon router can be connected to create a secure VPN connection for updates and service.



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Machline spec:Klothes	
Algemeen	
Gewicht	•256 kg
work temp.	•20°C
	Pneumohlek
Luchtörük	6-8 bar
Lucht consulting	08 mm
Elektisch	
Power	250VAC 50Hz

[illegible]