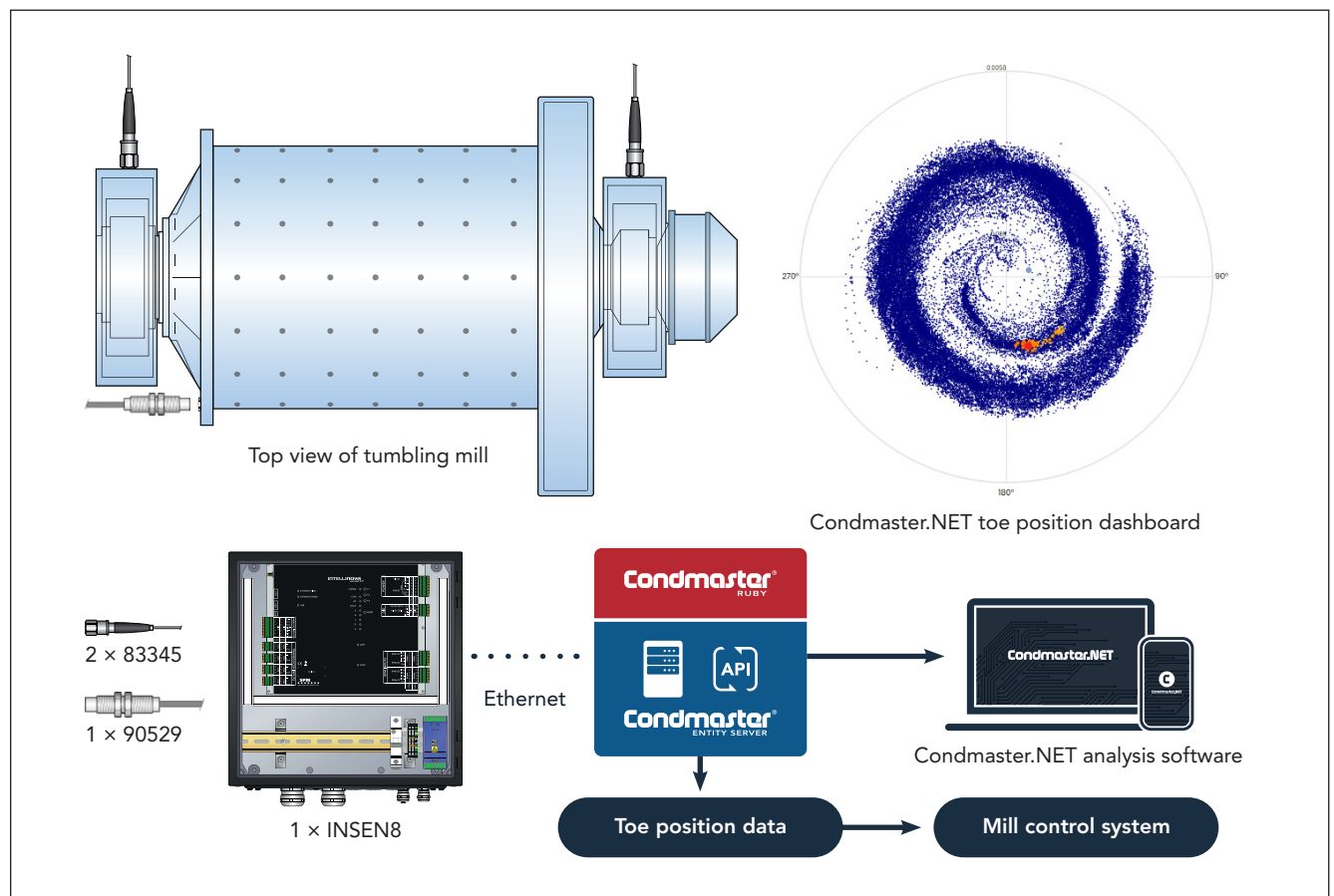


Process optimization package – Tumbling mill



The process optimization package POP001 contains an eight-channel Intellinova Parallel EN system, vibration transducers and other necessary hardware, and a Condmaster license. When ordering, specify the desired cable lengths: 3, 5, 10, 20, or 30 meters. In addition to the process optimization package, one Condmaster.NET toe position dashboard subscription (part number CM-S101) is required per vibration transducer; therefore, two subscriptions are required for two vibration transducers.

A critical factor in optimizing the efficiency and performance of the grinding process is mastering the toe position of the mill charge. With the package solution for toe position monitoring, operators can detect the early onset of an overload condition in tumbling mills. It provides insight into charge dynamics and enables operators to optimize comminution efficiency.

The overall purpose of the package solution is to keep the tumbling mill running as close as possible to maximum working capacity while at the same time avoiding the risk of mill overload, underload, and freewheeling.

Providing high-resolution toe position data with exceptional accuracy, the solution is an effective tool for operators to determine the ideal feed rate for optimal grinding conditions. Optimizing the toe position also has a positive impact on particle size distribution. Further benefits include the monitoring of wear-and-tear on the liner and lifters, outlet blockage, density, and big rock occurrence.

Part numbers

POP001 Process optimization package, tumbling mill
CM-S101 Condmaster.NET toe position dashboard, yearly subscription

Included in POP001:

INSEN8	1 pc.	8-channel Intellinova Parallel EN system
CM-E820	1 pc.	Condmaster 2026, Online Edition
15716	6 pcs.	Protection tube sleeve, stainless steel
15762	3 pcs.	Protection tube end piece, stainless steel
16100	2 pcs.	2-pin connector MIL-C-5015, stainless steel
17011	1 pc.	Protection tube end for connector
81385	1 pc.	Protection tube, stainless acid-proof steel, 6 m
82414	10 pcs.	Clips JR 9.5 mm, stainless steel
83345	2 pcs.	Vibration transducer, 500mV/g, incl. M6 and UNF 1/4"-28 screw
90389	1 pc.	2-wire cable with shield, -40 to +90 °C
90443	1 pc.	Cable PUR, -40 to +80 °C
90494	1 pc.	Angle bracket M18
90510	1 pc.	M12 connector, straight, female, IP67
90529	1 pc.	Inductive proximity switch M18 with connector



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