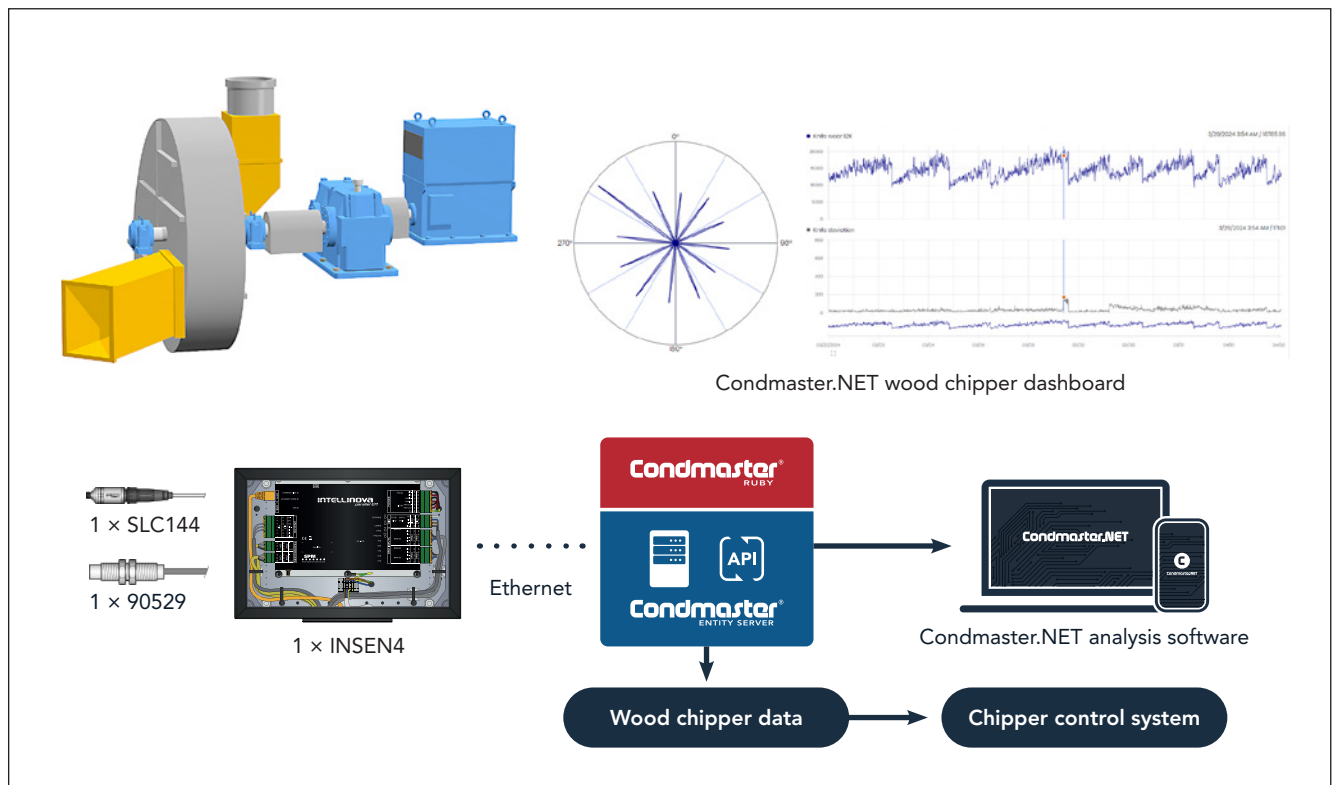


Process optimization package – Wood chipper



POP003 is a process optimization package designed to monitor the wood chipper knives, leading to detecting overall knife wear, enabling condition-based maintenance instead of time-based maintenance. The solution also detects deviating and missing knives, preventing inconsistencies in chip size and thickness, resulting in the production of higher-quality pulp. The package includes a 4-channel Intellinova Parallel EN system, a DuoTech accelerometer and other necessary hardware, and a Condmaster licence, allowing precise measurement and analysis through the Condmaster.NET dashboard.

The wood chipper package ensures high-quality knives and a streamlined wood chipper outlet. By monitoring the wear of the wood chipper knives, the time between knife replacements can be optimized, leading to significant cost savings for pulp mills.

The package solution offers optimization of wood chipper efficiency, ensuring minimal deviation in chip thickness, which is crucial since uneven thick chips can hinder the chemical impregnation process in pulp production.

Using algorithms from our patented HD Technologies, POP003 can detect synchronous signals from the knives and produce accurate measurements even when logs are randomly fed into the wood chippers, taking into account scenarios where there are empty gaps or multiple logs processed simultaneously.

When ordering POP003, desired cable lengths must be specified. The Condmaster.NET dashboard is offered as a yearly subscription.

Part numbers

POP003 Process optimization package, wood chipper
CM-S103 Condmaster.NET dashboard for one wood chipper, yearly subscription

Included in POP003:

INSEN4	1 pc. 4-channel Intellinova Parallel EN system
CM-E820	1 pc. Condmaster 2026, Online Edition
15716	4 pcs. Protection tube sleeve, stainless steel
15762	2 pcs. Protection tube end piece, stainless steel
17011	1 pc. Protection tube end for 90510
18216	1 pc. Protection tube adapter
491xx	1 pc. M12 angled connector, cable 90389, length 5, 10, or 20 m (xx = 5, 10, or 20)
81385	1 pc. Protection tube, stainless acid-proof steel, 4 m
82414	10 pcs. Clips JR 9.5 mm, stainless steel
90443	1 pc. 3-wire cable for 90529, 10/20/30 m
90494	1 pc. Angle bracket for 90529, M18
90510	1 pc. M12 connector, straight (female)
90529	1 pc. Inductive proximity switch M18 with M12 connector
SLC144TD-M8	1 pc. DuoTech accelerometer, 4-pin M12 connector with M8 thread

