

# SR2010 PLOT COMBINE



SAMPO ROSENLEW





The Sampo Rosenlew 2010 is specially designed for experimental fields and seed breeding. With this in mind Sampo Rosenlew's engineers have perfected every detail in the SR 2010 combine. The single most important factor in plot harvesting is to ensure that all the grains come from the intended plot. To guarantee this, the SR2010 has an extremely effective and reliable self-cleaning system. The SR 2010 can be equipped with special headers for different types of crops such as sunflower or maize. The Sampo Rosenlew combines have a reputation for being easy, fast and ergonomic to clean, and the SR 2010 is no exception.

# MANY FEATURES ON THE CUTTING HEADERS

## CUTTING HEADER

The header cuts cleanly and evenly. The SR 2010 uses the CHAC System (Constant High Volume Air Stream Cleaning) to provide high cleanliness on the table to ensure clean samples. The electrical and hydraulic adjustments conveniently operated from the cab make threshing versatile and accurate. The special made brushes on the pick-up reel combined with an effective airflow system results in supreme cleanliness throughout the whole threshing mechanism. Every detail has been taken into consideration in the design to provide uniform and reliable grain samples. Header sizes are available, 1,5 m, 2,0 m or 2,3 m.



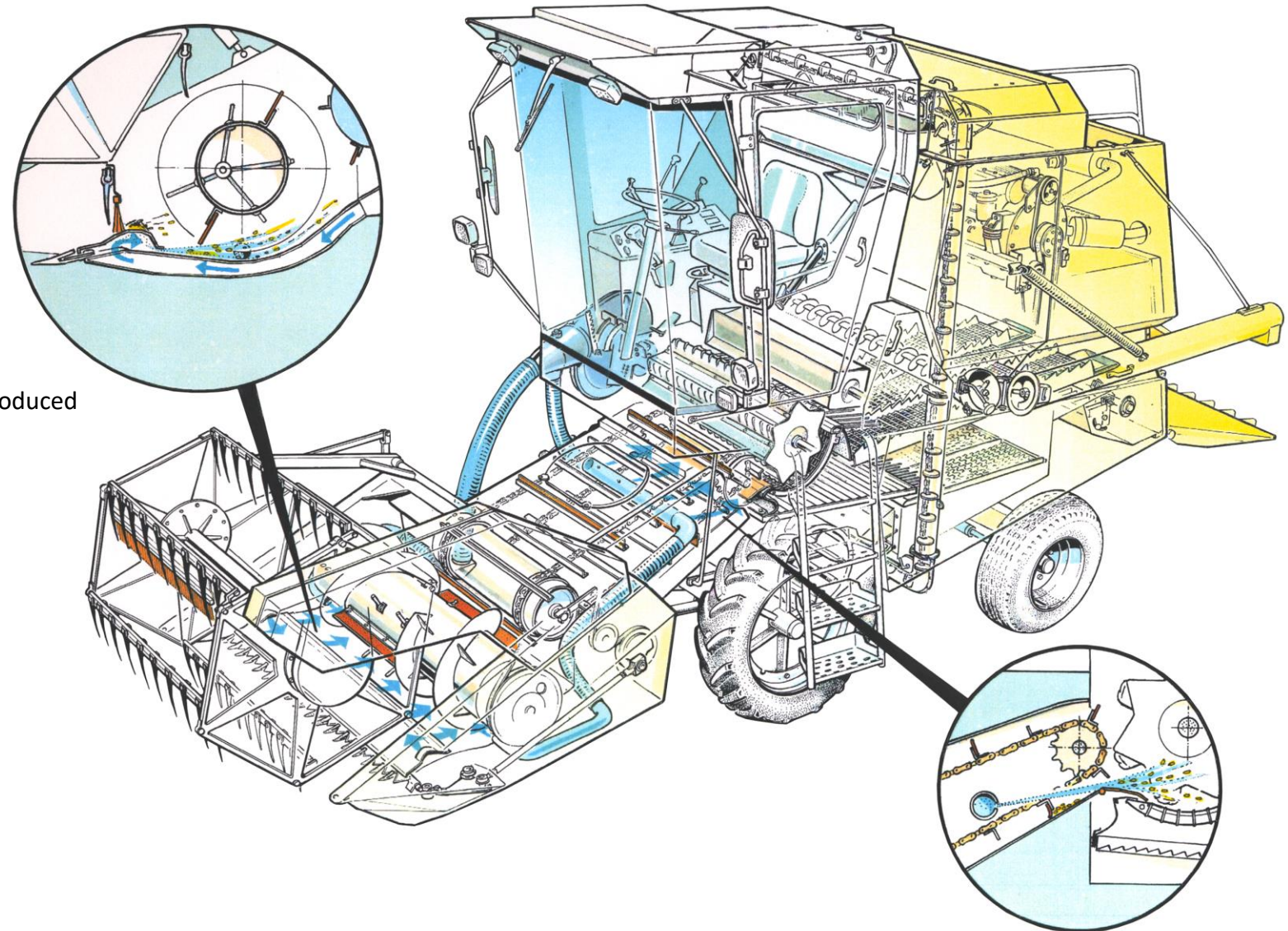
# THRESHING MECHANISM

## AIRFLOW SYSTEM ON THE HEADER

The blower is the core of the airflow cleaning system. The airflow is produced by a belt driven blower and positioned precisely at the cleaning points by means of a distribution system.

The header is equipped with a continuous airflow blower to ensure clean and uniform crop samples.

The crop is evenly fed by the feeder elevator into the threshing drum. Two feeder chains support and stabilize the slats. The feeder elevator is thoroughly cleaned after every plot by the CHAC System.



# THRESHING MECHANISM

## STRAW WALKERS AND CHOPPER

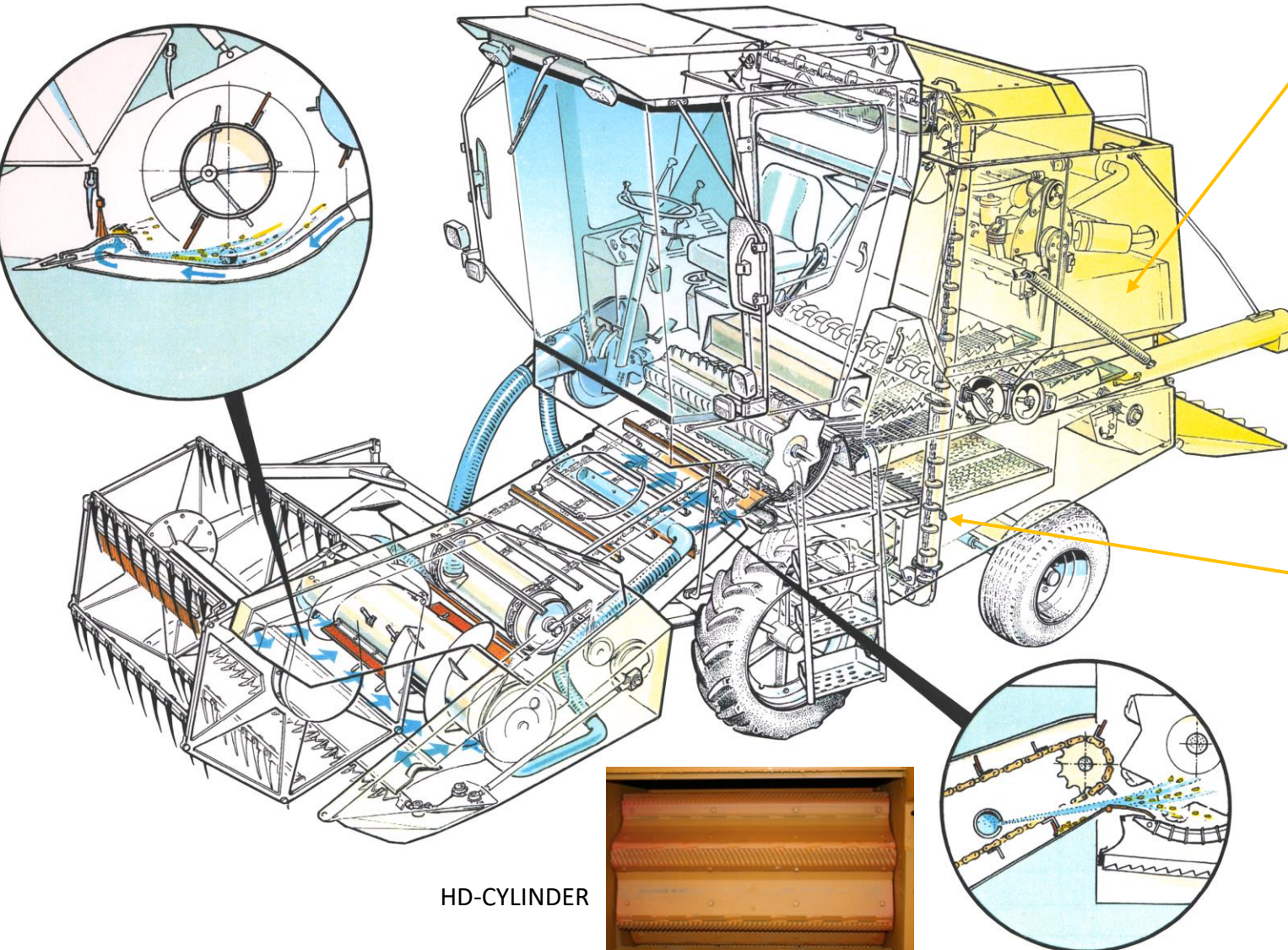
The SR 2010 has three turn over walkers and a single sieve system. For additional efficiency an optional double sieve system can be fitted on the combine.

The straw chopper is an option. The chopper also functions as a good counter-weight in balancing the combine.

## GRAIN ELEVATOR AND A HD-CYLINDER

The special made good grain elevator has a sealed construction throughout the whole elevator area. This prevents grain overflow and ensures clean, uniform samples. The elevator chain has round plastic paddles which fits perfectly to the "pipeline".

The heavy duty closed threshing drum and large wrapping angle has been proven it's value in more than 4500 plot combines. The electrically adjustable threshing drum is designed to outperform itself even in the hardest threshing conditions. This cylinder manage in the thoughts crops and conditions.



HD-CYLINDER



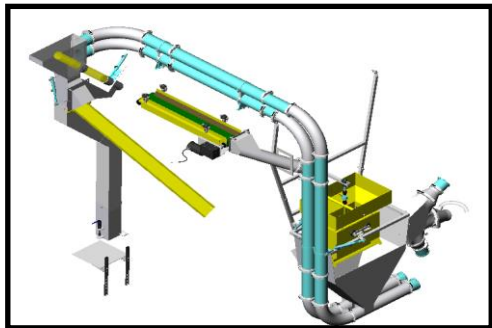
# WEIGHING SYSTEMS

## COLEMAN WEIGHING SYSTEM

The first Coleman Weighing System was developed in 1986 comprising of a basic balance and crane. It has now evolved to the system used today driven by increased combine output and accurate up to the minute information demanded by today's customer. The system is pneumatically operated and is calibrated to within 50 grams. Grain is transported via a conveyor and chute under the elevator to the weight hopper on the right hand side of the cab. The conveyor is quick release so that the combine can do bulk harvesting of multiplication blocks.

## HARVESTMASTER GRAIN CAGE

The Grain Cage weighing system is the more popular system today. The basic idea works like the Coleman system with the grain transport. The main difference is different data which can be collected from the sample. The sensors sense the weight, moisture and the software Mirus™. For more information of the Harvestmaster Grain Cage, please visit their web page, [Harvestmaster.com](http://Harvestmaster.com)



COLEMAN WEIGHING SYSTEM



# SPECIFICATIONS

## CUTTING HEADER

Widths available	m	1,5 2,0 and 2,3
Cutting height	m	-0,20...+ 1,20
Knife speed	strokes/min	1020
Header reverse	type	electrical (option)

## REEL

Diameter	m	1,05
Speed range	rpm	15...49
Speed adjustment		electrical
For/aft adjustment		electrical

## FEEDER HOUSE

Grain conveyor		chain
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## THRESHING CYLINDER

Diameter	mm	500
Width	mm	780
Speed range	rpm	400-1150
Speed adjustment		electrical
Number of rasp bars	pcs	7
Sealed drum		standard

## CONCAVE

Number of rasp bars	pcs	12
Length	mm	490
Angle of wrap	degrees	108
Adjustment		manual

## STRAW WALKERS

Numbers of walkers	pcs	3
Separation area	m <sup>2</sup>	1,4

## SIEVE AREA

Top sieve	m <sup>2</sup>	0,7
2 sieve system with returns	option	
Area for lower sieve	option	0,47
Good grain elevator		tubular grain conveyor

## GRAIN TANK

Capacity	l	1700
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## TRANSMISSION

Engine	kW/hp	54/73
Fuel tank capacity	l	140
Drive		hydrostatic
Tires	front	12.4R24
	rear	11.5-15

## WEIGHT AND DIMENSIONS

Weight	kg	3400
Length with header	m	6,4
Width	m	2,5
Height	m	3,3
Turning radius	m	3,5

The manufacturer reserves the right to make changes to the machines without notice and without obligation to make such changes to machines manufactured before. Specifications may vary from country to country. Contact your retailer for current specifications.



# SAMPO ROSENLEW



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