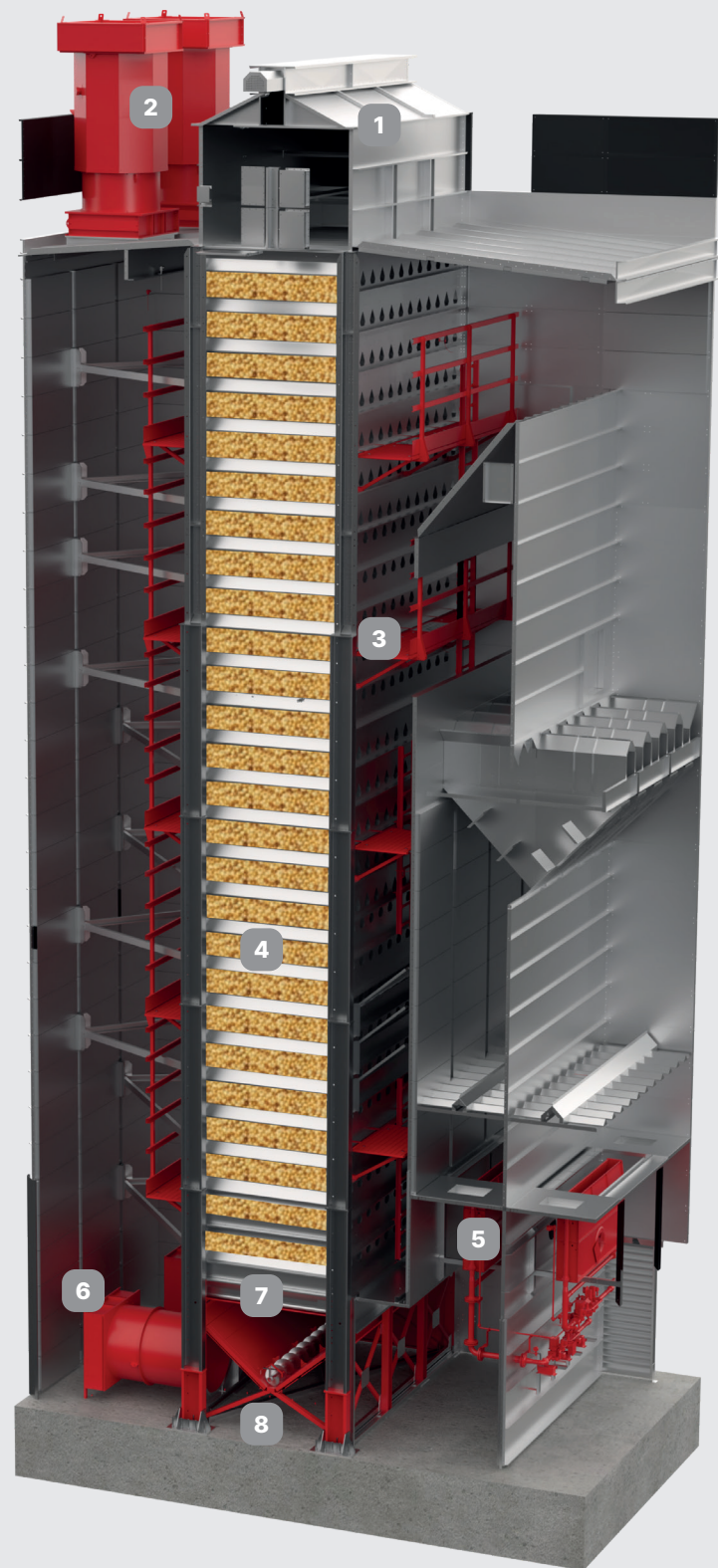


Internal Design



1 MAIN FANS

Positioned at the top of the system, they give rise to the dryer's air flow. They are equipped with a silencer and dust damper to minimise ecological and dusty emissions into the environment.

2 PLATFORMS

Present throughout the system outside and inside the body, they provide safe and easy access for routine inspection and maintenance, ensuring maximum safety for operators.

3 AIR DUCTS

The profile of the ducts is designed to facilitate the flow of the grain and heat exchange between the hot air and the grain to be dried.

4 HEAT GENERATORS

The air duct burners, available for natural gas and LPG, ensure accurate modulation and air temperature uniformity. Also available in diesel version.

5 RECOVERY FANS

Positioned at the bottom of the dryer, they aim to recover the part of the hot air with a low moisture content to improve energy efficiency.

6 EXTRACTION DEVICE

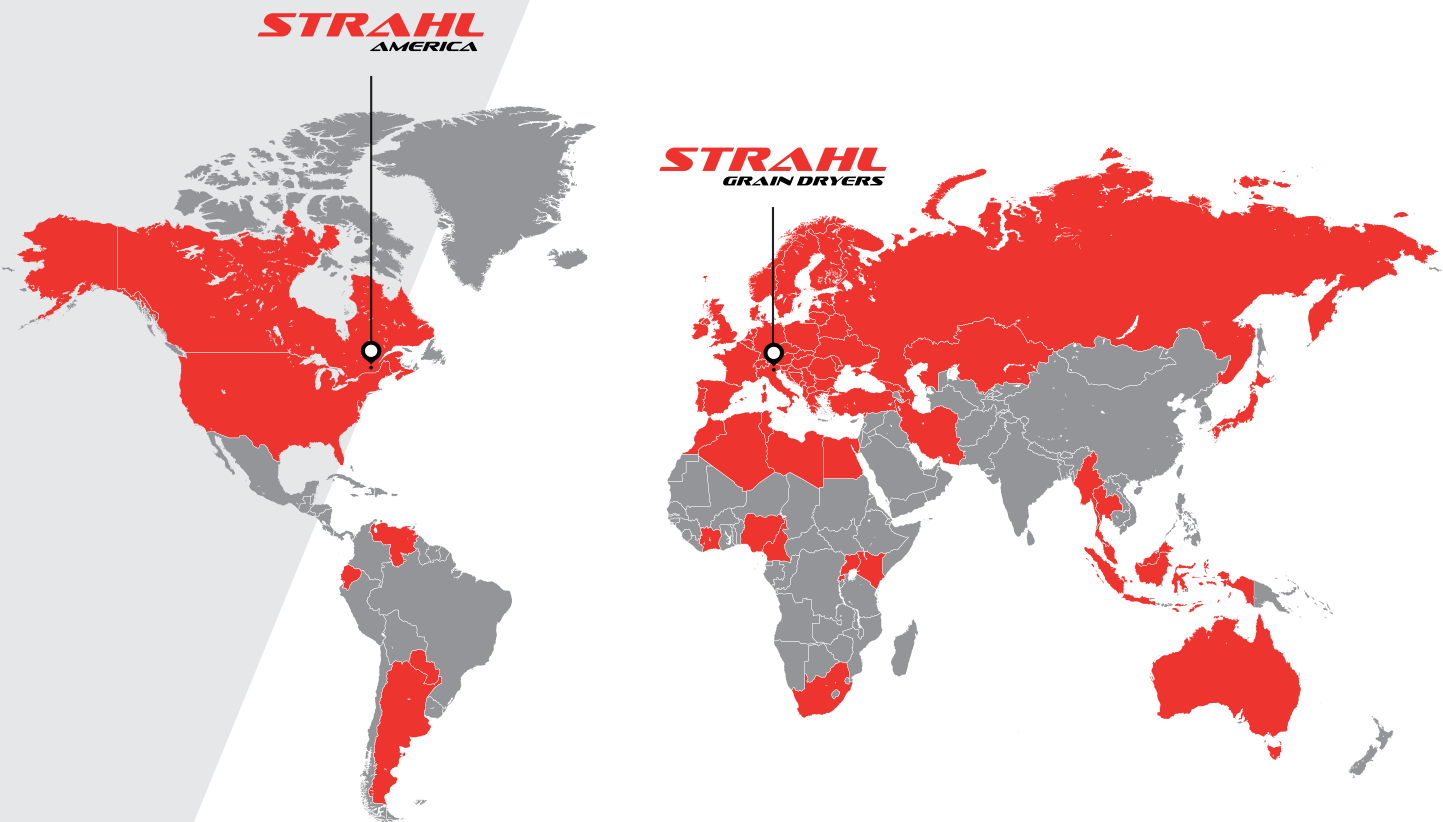
Made of flippers that allow for an even and controlled grain flow.

7 BASEMENT

Equipped with a hopper, it supports the extraction device and it is designed to ensure precise and reliable extraction over time.



DISCOVER THE PRODUCTS



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GRAIN DRYERS

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X10
PERDIECI

STRAHL
GRAIN DRYERS

FRPX SERIES
Grain Dryer



FRPX - ENG

FRPX Series: the energy-saving and continuous flow grain dryer with differentiated temperatures and resting zone

The FRPX series provides superior performance thanks to a combination of two burners and a grain resting zone.

This system allows the control of different temperatures along the drying column, increasing the efficiency and precision of the process. In the resting zone, the product is not exposed to the airflow, preserving the maximum quality. The entire process ensures high overall efficiency by air recirculation.

External air enters the dryer to be heated and support the process.

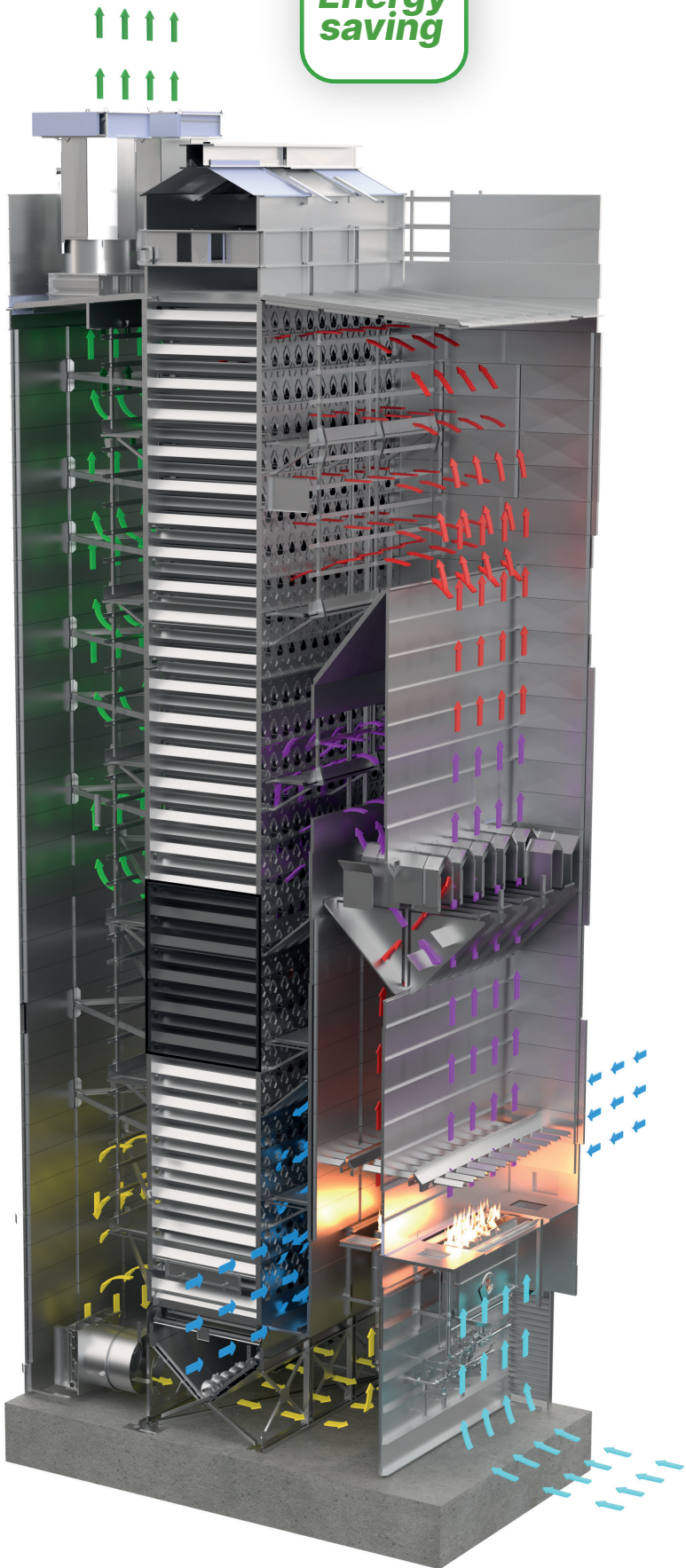
The hot air from the first burner, set at a lower temperature, passes through the grain in the central nsection of the drying column, ensuring balanced and nefficient drying.

Hot air at the bottom of the grain dryer, which is still efficient, is recovered and reintroduced into the system to reduce consumption.

The recovered hot air, elevated to a higher temperature by the second burner, flows through the grain in the upper section of the drying column, ensuring optimal performance.

Exhaust air is blown out from the dryer, as it is saturated with moisture from the drying process.

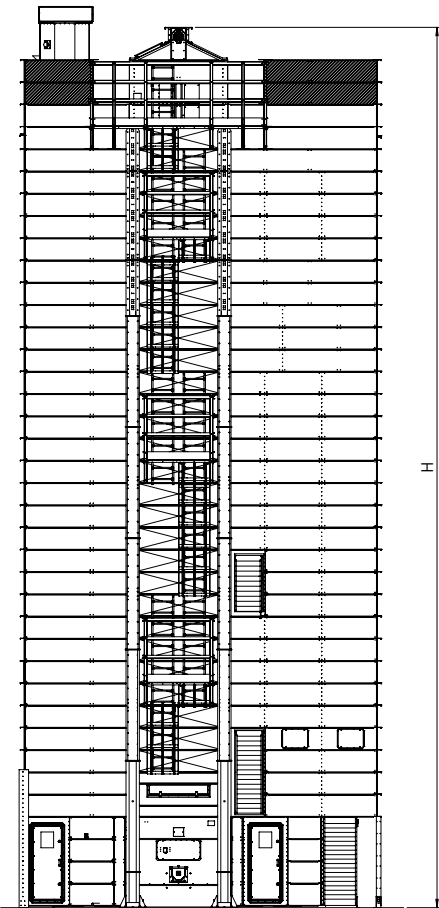
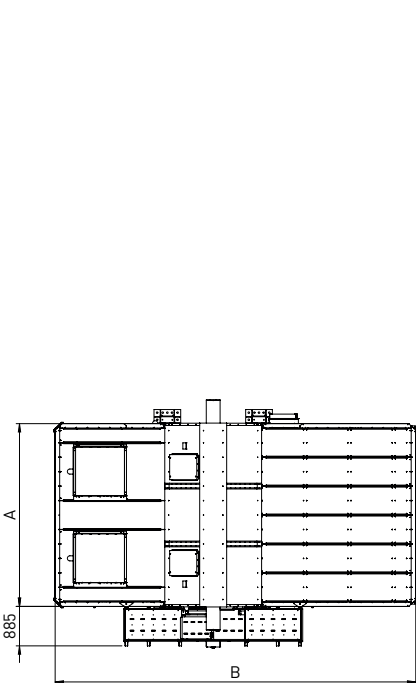
In the lower area of the dryer, the product is cooled with external air before extraction.



The Strahl software control

A SMART PROCESS CONTROL SYSTEM

The Strahl software, developed specifically for our dryers, tailored to customers' needs, ensures precise temperature control and full data management, available on the cloud. Thanks to predictive analytics and detailed reports, energy consumption is optimised, thereby improving the grain dryer efficiency. The intuitive and user-friendly touchscreen interface, with built-in connectivity, lead to continuous monitoring and remote management.



MODEL		4	6				8		
		MODULES	MODULES				MODULES		
		3000	4000	5000	6000	7000	8000	9000	10000
		FRPX	FRPX	FRPX	FRPX	FRPX	FRPX	FRPX	FRPX
Overall dimensions	A m	2,8	4,1	4,1	4,1	5,4	5,4	5,4	5,4
	B m	8,1	8,1	8,1	9,1	8,1	9,1	9,1	9,1
	H m	18,75	16,25	19,75	22,75	21,25	23,25	25,75	28,45
Capacity	Ton	47	59	75	87	109	120	134	148
	m³	63	79	100	116	145	160		197
Exhaust air fans	N°	1	2	2	2	2	3	3	3
	kW	23	15	18,5	23	23	18,5	23	23
Recovered air fans	N°	1	1	2	2	2	2	2	3
	kW	18,5	23	15	18,5	18,5	23	30	18,5
Nominal thermal power		kW	2.370	3.180	3.930	4.680	5.490	6.240	6.980
Max. burner thermal power	Burner 1 kW	1.630	1.630	2.440	2.440	3.260	3.260	4.070	4.070
	Burner 2 kW	1.630	1.630	2.440	2.440	3.260	3.260	4.070	4.070
Hourly production rate (Ton/hour)									
Corn 35% - 15%		9	11	14	17	20	23	26	29
Corn 25% - 15%		16	22	27	32	38	43	49	54
Corn 20% - 15%		30	39	49	59	69	79	89	98

MODEL		10			12		14	
		MODULES			MODULES		MODULES	
		10000	12000	13000	15000	17000	17000	18000
		FRPX	FRPX	FRPX	FRPX	FRPX	FRPX	FRPX
Overall dimensions	A m	6,7	6,7	6,7	8,0	8,0	9,3	9,3
	B m	9,1	9,1	9,1	9,1	9,1	9,1	9,1
	H m	23,45	27,95	29,95	29,0	32,0	28,45	30,45
Capacity	Ton	150	182	196	227	252	262	282
	m³	200	243	262	303	336	349	375
Exhaust air fans	N°	3	4	4	5	4	4	4
	kW	23	23	23	23	37	37	37
Recovered air fans	N°	3	3	3	4	4	4	4
	kW	18,5	23	30	23	23	30	30
Nominal thermal power		kW	7.800	9.330	10.280	11.580	13.080	13.070
Max. burner thermal power	Burner 1 kW	4.070	5.700	5.700	6.100	7.330	7.330	8.140
	Burner 2 kW	4.070	5.700	5.700	6.100	7.330	7.330	8.140
Hourly production rate (Ton/hour)								
Corn 35% - 15%		29	34	37	43	49	49	52
Corn 25% - 15%		54	65	70	81	92	92	97
Corn 20% - 15%		98	118	128	148	167	167	177

The technical data presented in this document are indicative and may be changed by the manufacturer without notice. They are obtained assuming an outside temperature of 15°C and a relative humidity of 70%. Indicative production estimates based on an operating air temperature of 125°C (non-binding). These figures are dependent on environmental conditions, variety, quality characteristics, and the degree of impurity of the grain to be dried.