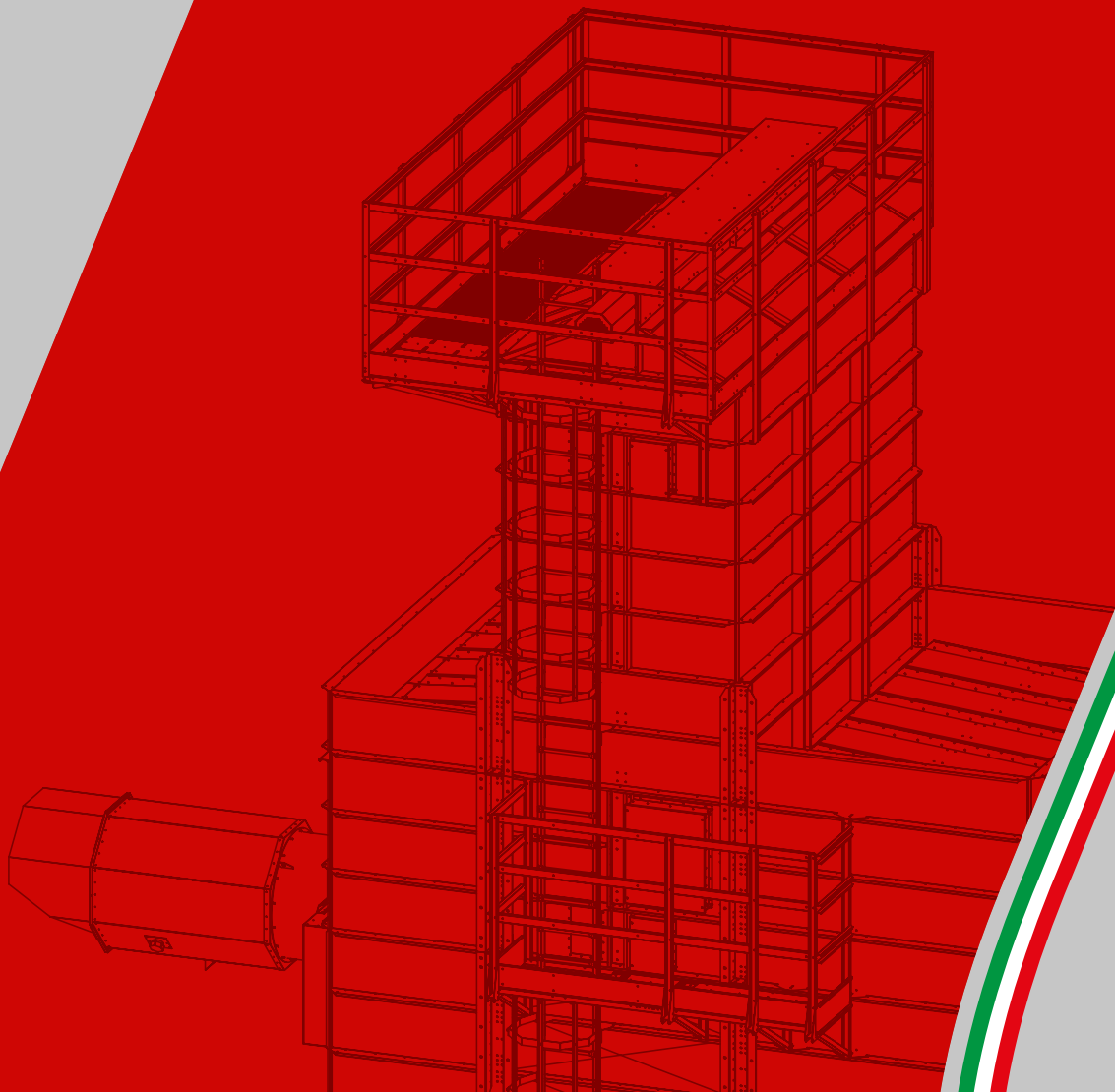


STRAHL

GRAIN DRYERS

AR SERIES

Grain Dryer



AR - ENG

Italian Excellence

in grain drying

STRAHL
GRAIN DRYERS

With over 60 years of experience, STRAHL is internationally recognised as the benchmark in the world of dryers.

A history of research, reliability and innovation that has accompanied generations of companies by offering cutting-edge technological solutions for every drying requirement.

Every STRAHL system brings with it the heritage of decades of engineering expertise and experience, geared towards ensuring maximum efficiency, safety and durability.

Today, STRAHL is part of Perdieci Group, with which it shares management excellence, investment in innovation and the strategic vision of a cutting-edge manufacturing group.

X10
PERDIECI



RESISTANCE AND DURABILITY

The sturdiness and reliability of STRAHL dryers are proven by years of successful installations in every corner of the world.

We have designed our technology to perform even under the most extreme conditions, because a STRAHL dryer is an investment that lasts, wherever you are.

The batch drying solution

The AR Series is engineered for an exceptionally gentle drying process, making it ideal for highly sensitive products such as paddy rice.

Perfect for small quantities managed in batches, this is the definitive solution for farms and collection centers, particularly for commodities requiring meticulous care and handling.

STRAHL dryers are pre-planned for integration into existing grain processing and storage plants.



AR
SERIES

STRUCTURAL STRENGTH

The load-bearing frame is made of hot-dip galvanised structural steel, qualified and tested for the various conditions of use.

The **base** is made of structural steel and designed to be anchored on a reinforced concrete slab to provide stability and safety even in the event of seismic events. The supply also includes jigs and anchor bolts.

LONG-LASTING

The **panels** are made of steel coated with Aluzinc or Zinc-Magnesium to increase resistance to weathering and conditions of use.

THERMAL INSULATION

The **insulation** is made of thick glass wool. It provides excellent thermal insulation and consequent energy savings.

DUST EMISSION CONTROL

Our systems are equipped with pneumatic **dampers** that block air flows during unloading, preventing the release of dust into the atmosphere.

The technological core for even drying

Behind every STRAHL dryer is an advanced engineering system. The AR series is a quintessence of technical innovations designed to optimise every stage of the drying process, guaranteeing efficiency, precision and respect for the environment.



LOADING HOPPER

Thanks to its special internal geometry, the hopper ensures the ideal flow of the grain and an optimal feed into the drying chamber.



FANS

They generate the airflow that ensures homogeneous heat distribution throughout the entire mass of grain. They are equipped with a silencer and a damper to minimize acoustic and dust emissions into the environment.



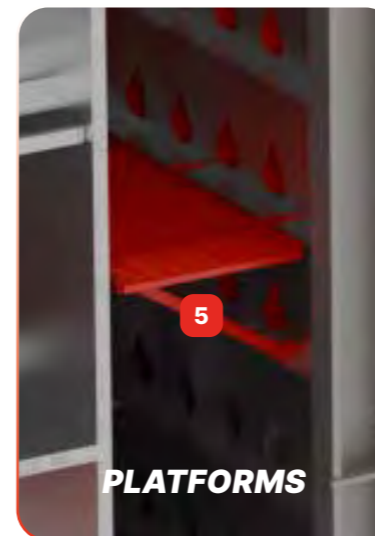
EXTRACTION DEVICE

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



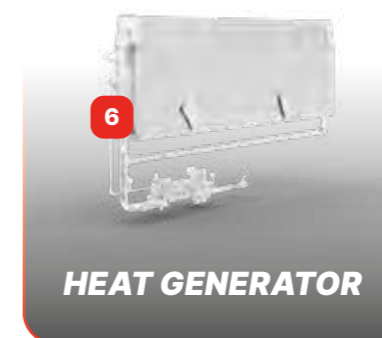
AIR DUCTS

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.



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.



HEAT GENERATOR

The air duct burner, available for natural gas and LPG, ensures accurate modulation and air temperature uniformity. Also available in a diesel version.



BASEMENT

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

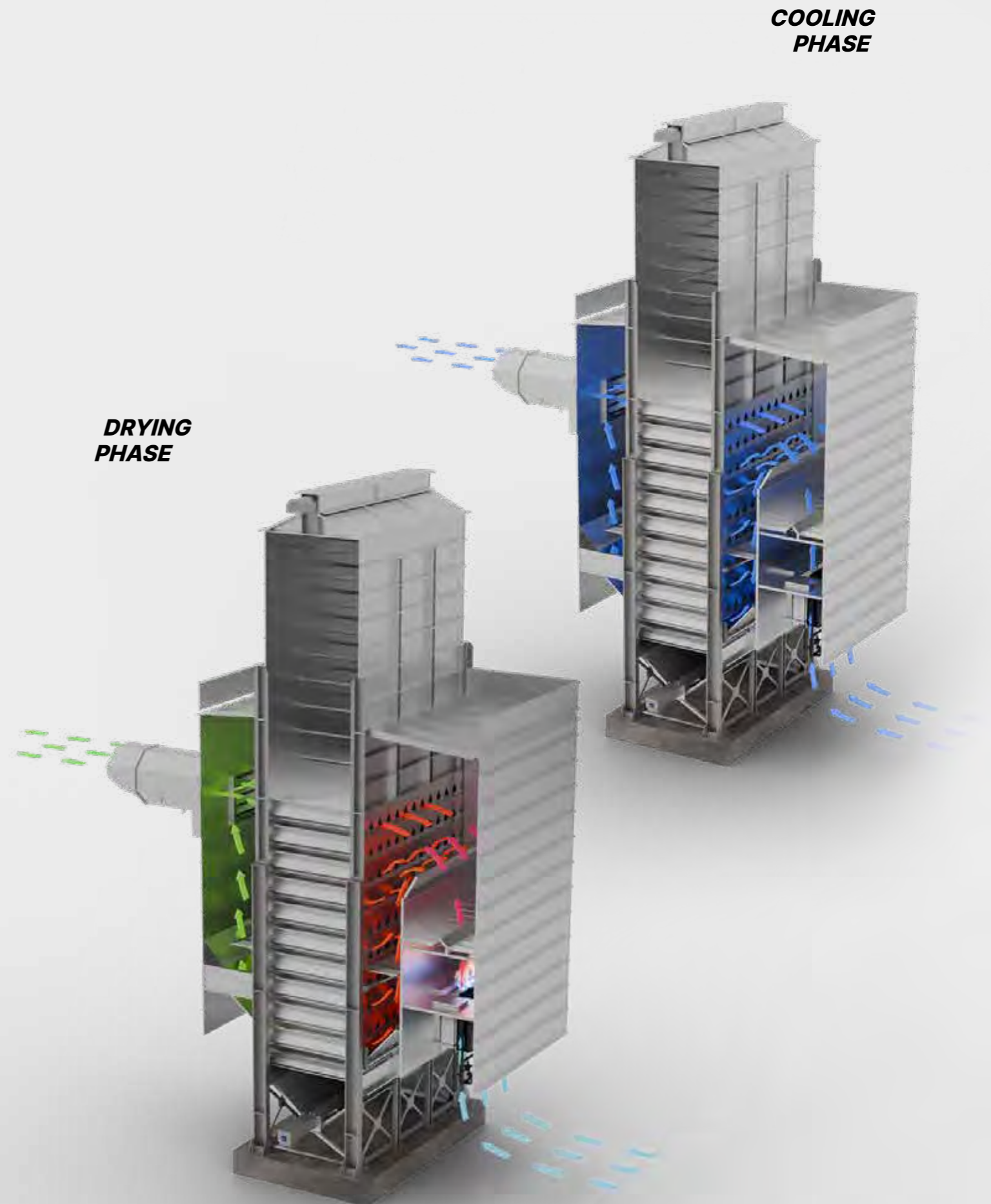
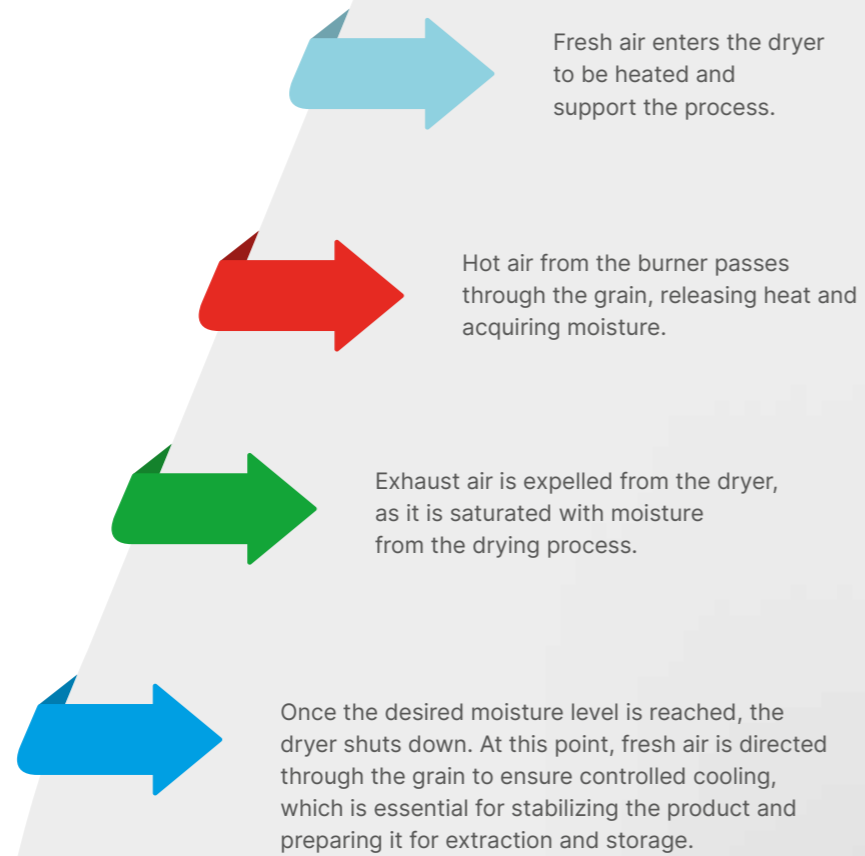
Uniform drying

MAXIMUM EFFICIENCY IN AIR RECIRCULATION

The efficiency of AR dryers comes from optimising the drying process.

The cereal drying process relies on a controlled and homogeneous airflow that uniformly passes through every layer of the grain mass.

The internal geometries and ducting of the structure promote a balanced distribution of hot air, preventing moisture build-up and ensuring consistent drying quality across the entire product.



Our control software

Years of research and in-depth knowledge of grain characteristics have enabled us to develop exclusive work programmes.

Our control software offers tailor-made processes for each product and maximum precision in the desired final moisture content.

At each drying cycle, data is captured and stored in a secure web portal, enabling in-depth historical analysis, performance comparisons and the generation of detailed reports to support evidence-based strategic decisions and optimise consumption.

MANAGEMENT AT YOUR FINGERTIPS

The system is designed to be easily controlled remotely, via any device. This function also allows our technical support team to intervene promptly when needed, ensuring immediate support and minimising downtime.

USER EXPERIENCE

The large monitor and intuitive user interface make setting up the drying process quick and easy. The controls are easily accessible and information is presented in a logical and visually immediate manner, allowing any operator to manage the system safely and easily from the very first use.

Complementary technologies

CUSTOMISATION OPTIONS

STRAHL grain dryers offer the integration of a range of complementary systems and technologies designed to further enhance the performance, control and precision of the drying process.

VAP SYSTEM

STRAHL-designed technology that guarantees ultra-low dust emissions.

HUMIDITY CONTROL SYSTEM

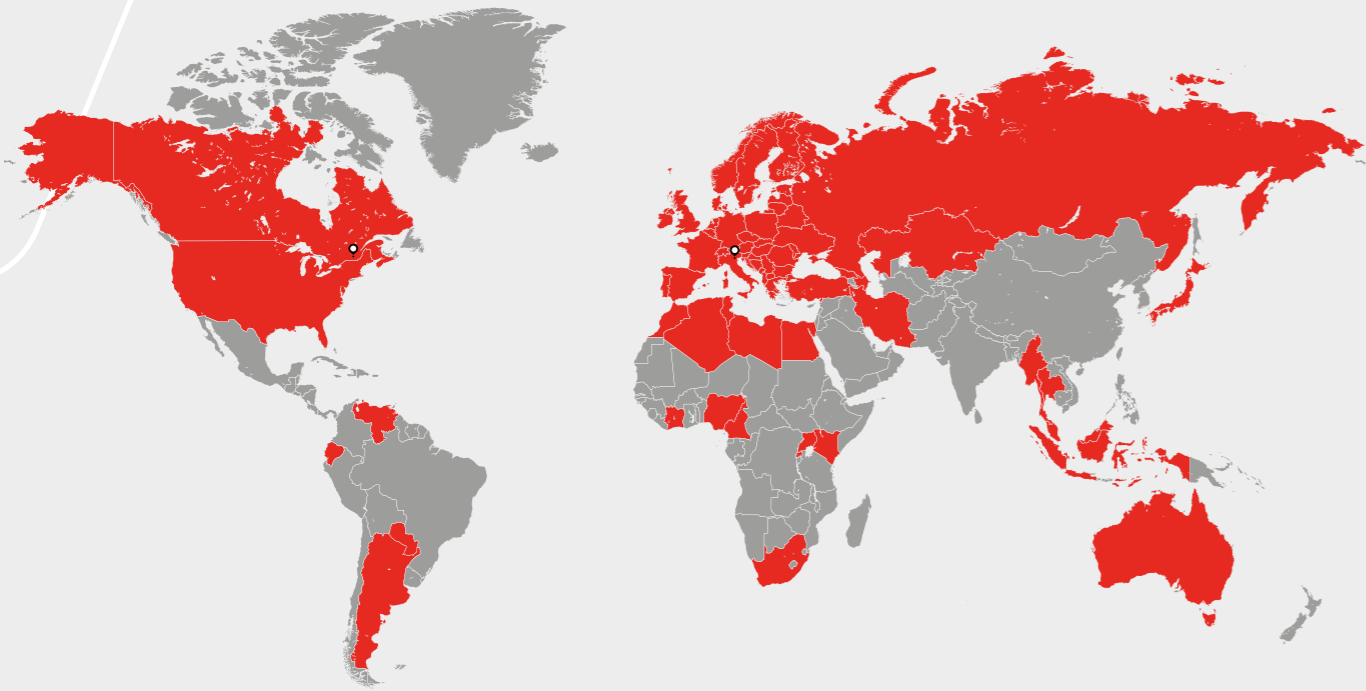
System for monitoring product moisture for additional control of the drying process.

EXTRACTION SPEED REGULATOR

Option to include an inverter to adjust the extraction speed.

ADDITIONAL TEMPERATURE MONITORING SYSTEM

This enables the monitoring of temperatures across the various dryer sections with enhanced precision.



Dimensional Drawings

AR SERIES

STRAHL
AMERICA

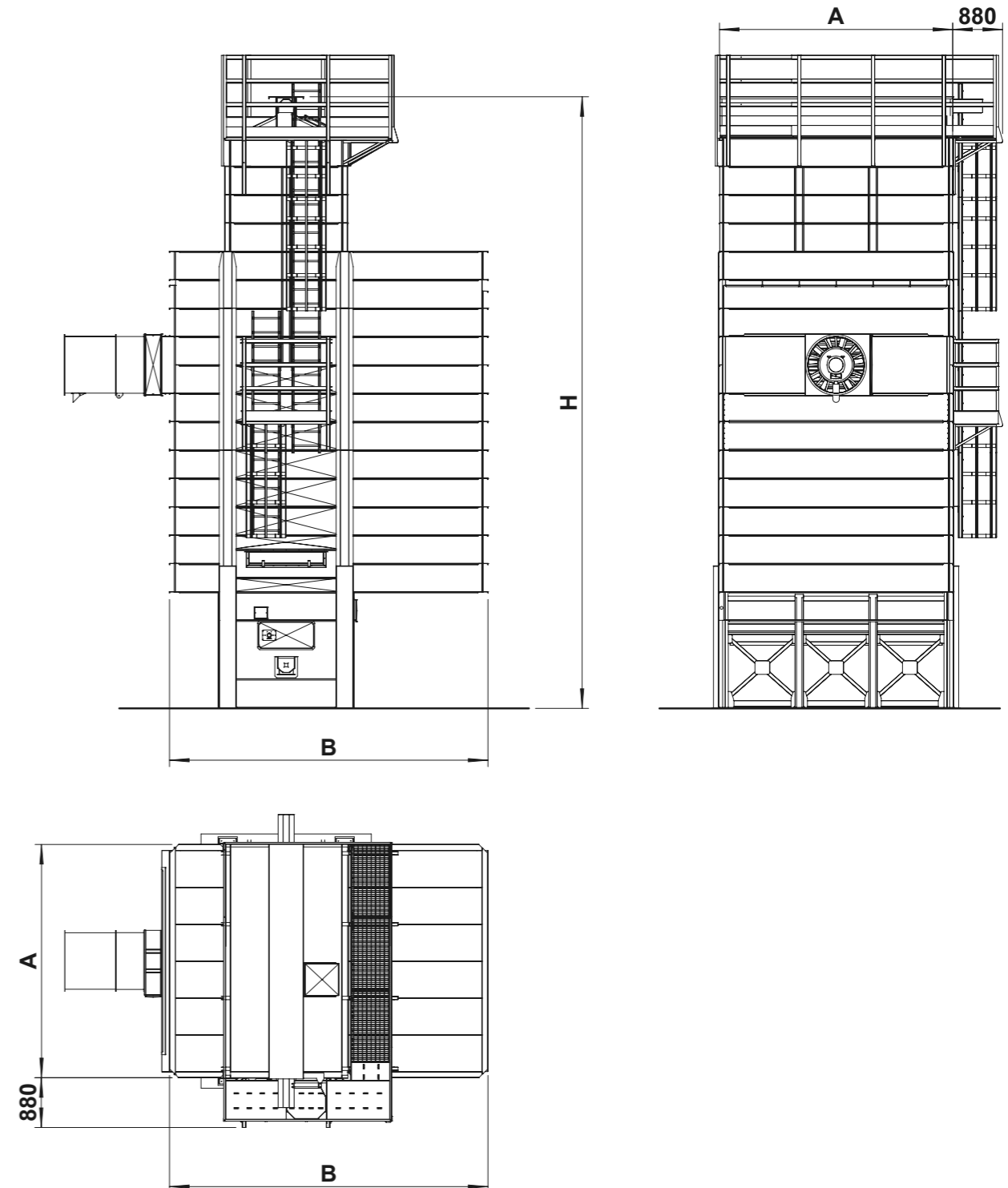
STRAHL
GRAIN DRYERS

Customer service

E REMOTE ASSISTANCE

Our support service partners with our customers to guarantee peak operational efficiency, covering both planned maintenance and urgent needs during the drying season.

Our network of specialized technicians ensures the seamless continuity of drying processes to safeguard the value of your harvest, delivering consistently high-performing systems and minimal downtime.



AR SERIES

Technical Data Sheet

The AR series offers an extensive range of models designed to meet specific operational requirements. Our modular design philosophy ensures that every customer can find their perfectly sized solution.


From compact models up to the largest capacities, the AR series guarantees consistent and efficient performance.


MODEL	4 MODULES				6 MODULES						
	404 AR	405 AR	406 AR	407 AR	604 AR	605 AR	606 AR	607 AR	608 AR	609 AR	
Overall dimensions	A m	2,80	2,80	2,80	2,80	4,10	4,10	4,10	4,10	4,10	4,10
	B m	5,10	5,10	5,10	5,10	5,10	5,10	5,10	5,10	5,60	6,10
	H m	6,75	7,75	8,75	9,75	6,75	7,75	8,75	9,75	10,75	11,75
Capacity	m ³	19,3	23,7	28,1	32,5	28,9	35,5	42,2	48,8	55,4	62,1
	Mais (0,75) Ton/m ³	14,5	17,8	21,1	24,4	21,7	26,7	31,6	36,6	41,6	46,6
	Paddyrice (0,60) Ton/m ³	11,6	14,2	16,9	19,5	17,4	21,3	25,3	29,3	33,3	37,2
Exhaust air fans	N°	1	1	1	1	1	1	1	1	1	1
	kW	5	7,5	7,5	11	7,5	11	11	15	15	18,5
Recovered air fans	Mais-Corn kW	530	670	810	940	810	1010	1220	1430	1630	1840
	Paddyrice-Riz kW	200	240	290	350	290	370	440	510	590	660
Daily wet production Tonne/24h											
Mais 35% - 15%	35,0	43,6	52,3	60,9	52,5	65,5	78,4	91,4	104,4	117,4	
Mais 25% - 15%	51,2	64	76,8	89,6	76,8	96	115,2	134,4	153,6	172,8	
Mais 20% - 15%	69,3	86,7	104,0	121,4	104,0	130,0	156,0	182,0	208,0	234,0	


MODEL	6 MODULES			8 MODULES							
	610 AR	611 AR	612 AR	806 AR	807 AR	808 AR	809 AR	810 AR	811 AR	812 AR	
Overall dimensions	A m	4,10	4,10	4,10	5,40	5,40	5,40	5,40	5,40	5,40	5,40
	B m	6,10	6,10	6,10	5,60	5,60	6,10	6,10	6,10	6,10	6,10
	H m	12,75	13,75	14,75	8,75	9,75	10,75	11,75	12,75	13,75	14,75
Capacity	m ³	68,7	75,3	82,0	56,2	65,1	73,9	82,8	91,6	100,4	109,3
	Mais (0,75) Ton/m ³	51,5	56,5	61,5	42,2	48,8	55,4	62,1	68,7	75,3	82,0
	Paddyrice (0,60) Ton/m ³	41,2	45,2	49,2	33,7	39,0	44,4	49,7	55,0	60,3	65,6
Exhaust air fans	N°	1	1	2	1	1	1	2	2	2	2
	kW	18,5	22	11	15	18,5	22	11	15	15	18,5
Recovered air fans	Mais-Corn Kw	2030	2240	2440	1630	1900	2170	2440	2710	2990	3260
	Paddyrice-Riz kW	740	810	880	590	690	790	880	990	1080	1160
Daily wet production Tonne/24h											
Mais 35% - 15%	130,4	143,3	156,3	104,6	121,9	139,2	156,5	173,8	191,1	208,4	
Mais 25% - 15%	192	211,2	230,4	153,6	179,2	204,8	230,4	256	281,6	307,2	
Mais 20% - 15%	260,0	286,0	312,0	208,0	242,7	277,4	312,0	346,7	381,4	416,1	

STRAHL

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