

Two-Auger Vertical TMR Mixers

PROFILE 2 DL - 2 CL - PLUS



[www.kuhn.com](http://www.kuhn.com)



be strong, be **KUHN**

# PROFILE 2 DL - 2 CL - PLUS

## TMR MIXERS WITH TWO VERTICAL AUGERS

### FOR A MIXER WHICH DELIVERS TIME AFTER TIME!

The new range of PROFILE double-auger mixers are designed for intensive use. With capacities starting from 18m<sup>3</sup>, ideal for manoeuvring in tight spaces, to 34m<sup>3</sup> for farmers working on a larger scale, the new PROFILE range sets a whole new standard for feed mixers.

Available with a wide range of distribution options, the PROFILE range can be adapted to all circumstances.

- **D** ▶ DIRECT (side distribution via chute)
- **C** ▶ CROSS-CONVEYOR
- **PLUS** ▶ STRAW BLOWING (with straw-blowing turbine).

The PROFILE range stands apart from other mixer-feeders available on the market.

With a panoply of innovative new features, the PROFILE range is fast becoming the benchmark for large feeding operations:

**Compact design for greater volume:** the shape of the hopper allows for maximum volume without taking up too much space. The numbers are impressive: 3 to 4m<sup>3</sup> more capacity than other machines of the same height currently available on the market.

**"Long Life Solutions":** to ensure that the intensive conditions of modern farming don't shorten the lifespan of your mixers, the new PROFILE range features K-NOX mixing augers. The machines also boast a whole host of other features which ensure a strong resale value.

**Uncompromising precision.** The performance of large livestock farms is heavily dependent on the precision of feeding operations. The patented weighing system installed across the PROFILE range guarantees an exceptional level of precision, designed to mix large volumes of feed accurately and effectively.



#### Programmable weighing system!

The as-standard KDW 341 weighing system manages the feed: "simple" mode for weighing quantities loaded and distributed, or "programmable" mode for more comprehensive nutrition management.

For greater ease of use, you can manage weighing operations from the loading station using the KDR300 display unit.



#### Direct or electric controls

As standard, the PROFILE is controlled from the original distributor of the tractor.

Depending on the optional equipment selected, and for maximum ease of use, a compact and electronic control can be easily installed inside the driver's cab.

The PROFILE PLUS version offers electric controls as standard.



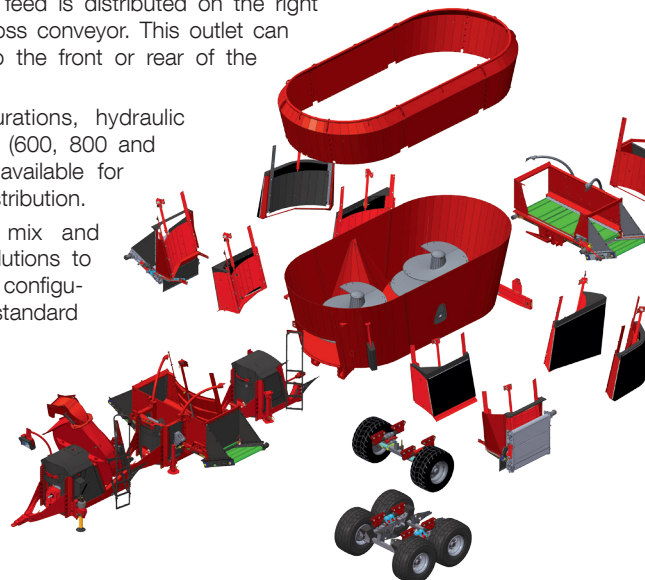
#### Distribution: a wide choice of solutions

As standard on **DL** models, feed is distributed directly by chute (right and/or left). The wide hatch (1100mm) ensures rapid, regular distribution, even with fibre-rich feed.

On **CL** models, feed is distributed on the right and left by a cross conveyor. This outlet can be positioned to the front or rear of the machine.

In both configurations, hydraulic tilting conveyors (600, 800 and 1100 mm) are available for elevated feed distribution.

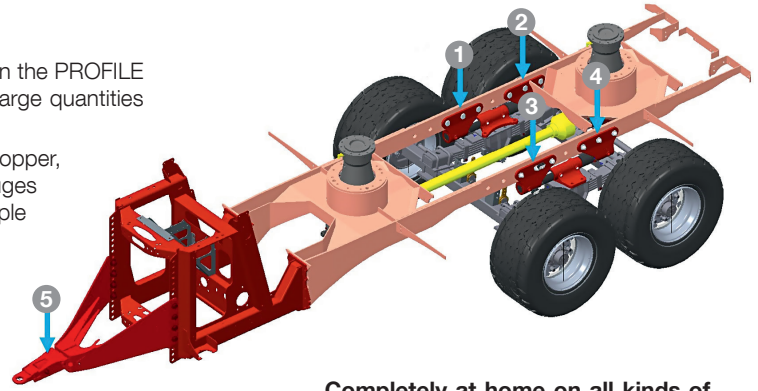
You can also mix and match these solutions to create bespoke configurations for non-standard conditions.



### Five-gauge weighing system, a patented KUHN exclusive!

The new weighing system from KUHN, installed as standard on all models in the PROFILE 2 DL / 2 CL / PLUS range, is designed to guarantee precision even with large quantities of feed.

Four load cells integrated into a cradle, located between the axle and the hopper, minimise fluctuations and interference. The information recorded by the gauges is therefore more accurate and more "sensitive". Whether you're using a simple axle, a bogie axle or even a bogie steering axle, stationary or in motion, the information delivered by the weighing terminal will always be correct.



### Completely at home on all kinds of terrain!

The PROFILE 2 DL / 2 CL / PLUS range has been designed and developed to handle high volumes on a daily basis.

The integrated chassis is oversized, ensuring that it can handle all of the torsion effects generated by the hopper on even the roughest terrain. Above all, the design ensures that the whole unit retains sufficient ground clearance at all times.

PROFILE: at home on bumpy ground as it is travelling at high speed over macadam!



### PLUS Version: Fast, effective straw blowing with minimum fuss!

The large diameter turbine on the PROFILE PLUS blows straw up to 18 m on the right hand side. (1).

The patented VENTIDRIVE system (asymmetric hatch) ensures uniform straw suction in the turbine (2). No more slamming down the hatch to stop straw packaging getting sucked into the turbine!

VENTIDRIVE: maximum efficiency with no rotor clutch maintenance...

The turbine is driven by a disengageable belt for added flexibility at start-up. It can be started up gradually, once the mixing augers are in motion.

As an option, the swivelling chute lets you blow straw up to 13 m on the left hand side.

For greater durability, the turbine base is made of K-NOX.



## INDUSTRIAL CONFIGURATION: LONG LIFE SOLUTIONS!



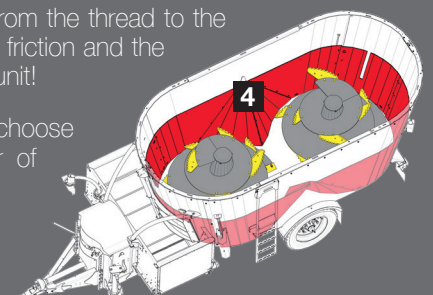
In order to further minimise the wear and tear from abrasion and acidity, the new PROFILE 2 DL / 2 CL / PLUS range is fitted with K-NOX mixing augers as standard.

K-NOX greatly extends the life span of the augers (3), crucial to the performance of the mixing unit.

The whole auger is made of K-NOX (3CR12 stainless steel), from the thread to the central shaft. These K-NOX augers offer superior resistance to friction and the fatty acids contained in some fodder. Protection for the whole unit!

For even better protection of this exclusive KUHN technology, choose the optional K-NOX doubling plates (4). A 4mm-thick layer of

K-NOX protection for the bottom 80cm of the hopper walls.



## Technical specifications

## MIXERS WITH 2 VERTICAL AUGERS

		PROFILE 2 DL							PROFILE 2 CL								
		18.2 DL	20.2 DL	22.2 DL	24.2 DL	26.2 DL	28.2 DL	30.2 DL	34.2 DL	18.2 CL	20.2 CL	22.2 CL	24.2 CL	26.2 CL	28.2 CL	30.2 CL	34.2 CL
Effective capacity (m <sup>3</sup> )		18	20	22	24	26	28	30	34	18	20	22	24	26	28	30	34
Number of vertical augers		2 (K-NOX design)															
Distribution type		DIRECT via chute positioned on right and/or left							CROSS-CONVEYOR on right and left								
Overall dimensions (m)	Width	2.76	2.76	2.76	2.76	2.76	2.78	2.79	2.80	2.83	2.83	2.83	2.83	2.83	2.86	2.86	2.89
	Length	7.30	7.30	7.30	7.32	7.35	7.38	7.42	7.48	7.86	7.86	7.86	7.88	7.91	7.94	7.98	8.04
	Height* (starting from)	2.44	2.65	2.76	2.89	3.01	3.14	3.27	3.51	2.44	2.65	2.76	2.89	3.01	3.14	3.27	3.51
Number of knives per auger		6															
Min. tractor power recommended (hp)		90	95	100	110	115	120	125	130	90	95	100	110	115	120	125	130
Hydraulic equipment required		1 double valve							1 double valve								
Axle / Tires		Single axle / 455-40 R22.5					Bogie axle 455-40 R22.5		Single axle / 455-40 R22.5					Bogie axle 455-40 R22.5			
Tilting conveyor		600, 800 or 1100 mm (optional)							800 or 1100 mm (optional)								
Hydraulic offset of the conveyor		-							Optional extra: 250 mm on right and left								

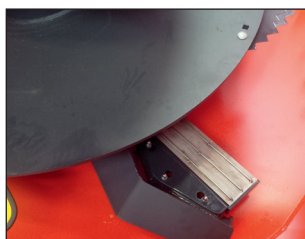
## Technical specifications

## MIXERS WITH STRAW BLOWERS AND 2 VERTICAL AUGERS

		PROFILE PLUS 2 DL					PROFILE PLUS 2 CL				
		24.2 DL	26.2 DL	28.2 DL	30.2 DL	34.2 DL	24.2 CL	26.2 CL	28.2 CL	30.2 CL	34.2 CL
Effective capacity (m <sup>3</sup> )		24	26	28	30	34	24	26	28	30	34
Number of vertical augers		2 (K-NOX design)									
Distribution type		DIRECT via chute positioned on right and/or left					CROSS-CONVEYOR on right and left				
Overall dimensions (m)	Width	2.76	2.78	2.79	2.80	2.83	2.83	2.83	2.86	2.86	2.89
	Length	7.89	7.92	7.95	7.99	8.05	NC	NC	NC	NC	NC
	Min. height (m) *	2.91	3.01	3.14	3.27	3.51	2.91	3.01	3.14	3.27	3.51
Number of knives per auger		6									
Min. tractor power recommended (hp)		92 to 110	95 to 115	100 to 120	105 to 125	110 to 130	92 to 110	95 to 115	100 to 120	105 to 125	110 to 130
Hydraulic equipment required		1 single-acting valve with free return					1 single-acting valve with free return				
Axle / Tires		Single axle 455-40 R22.5		Bogie axle / 455-40 R22.5			Single axle 455-40 R22.5		Bogie axle / 455-40 R22.5		
Tilting conveyor		600, 800 or 1100 mm (optional)					800 or 1100 mm (optional)				
Hydraulic offset of the conveyor		-					Optional extra: 250 mm on right and left				

\* depending on tractor type and choice of tires

## Optional equipment



Magnetic device on auger




Two-speed gearbox 16 and 29 min<sup>-1</sup> (standard with PROFILE PLUS)



Loading bucket for concentrates

Find your nearest Kuhn Approved Partner  
at [www.kuhn.com](http://www.kuhn.com)

 <a href="http://www.kuhn.com">www.kuhn.com</a>	Your Approved Partner
---	-----------------------

## KUHN-AUDUREAU S.A.

BP 19 - FR 85260 La Copechagnière  
 Tel.: +33 (0)2 51 41 47 00 - Fax: +33 (0)2 51 41 41 03  
 Société Anonyme with a capital of €4,070,000

Our machines are in compliance with regulations in force in the country of delivery. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be in position in accordance with the requirements indicated in the operator's manuals and assembly manuals. We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered model. Trademarks cited in this document may be registered in one or more countries.

