

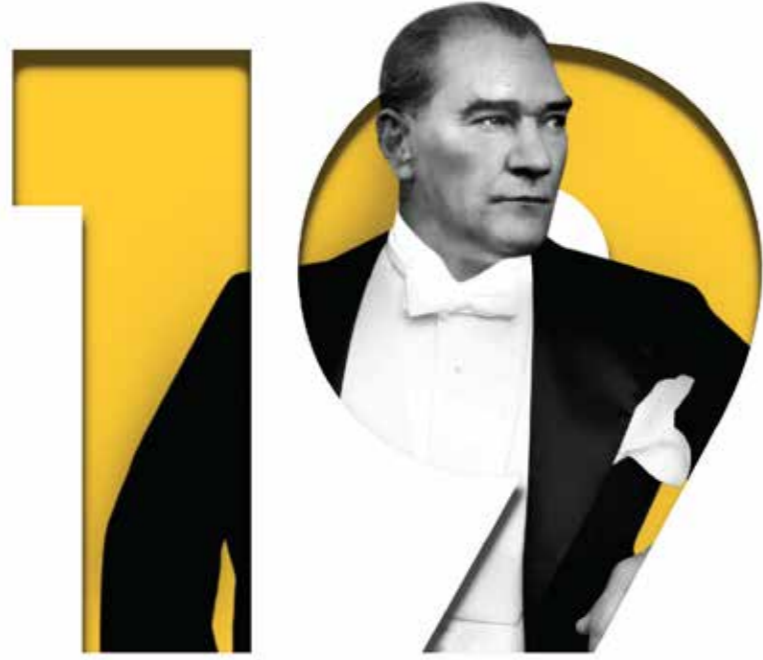
**ALGÉP / A**  
Kft.

**PERFECTION  
REDEFINED**



**2019 PRODUCT CATALOGUE**

**ÇELİKEL**



Things looking impossible for  
crocks, awesome for cowards are  
ideal for heroes.

Mustafa Kemal Atatürk

What are the things that only people having ÇELİKEL can understand?

There are many people who will provide you to believe that having a ÇELİKEL is a very special feeling.

They agree in the subject that using ÇELİKEL machines is a delightful experience and actually, will be able to change lifestyle of a person.

Some people are persistent on the subject that quality of ÇELİKEL is unique.

They tell that being together a stronger construction and superior compounds how provided them to run away fast from the brands that they used before.

They defend that a ÇELİKEL user is welcomed with respect and admiration wherever user goes.

Moreover, they tell that ÇELİKEL has a lot of attributes that are not available in the machines that they had before. They have less fuel consumption, long life span, etc.

Some people like talking about small things that means a lot in ÇELİKEL and they never tired of talking about permanent value of ÇELİKEL.

They defend first when there appears any situations for ÇELİKEL and they make it a matter of pride.

We believe that none of the companies have loyal and strong users as ÇELİKEL owners.

We owe a debt of gratitude to our users having brought us today by making us ÇELİKEL.

We believe that you need not to have both time and money loss with ordinary machines and you are special as you will buy a ÇELİKEL. Now go on. Do a favor for yourself today and visit an authorized ÇELİKEL dealer, talk about making some alterations in your life!

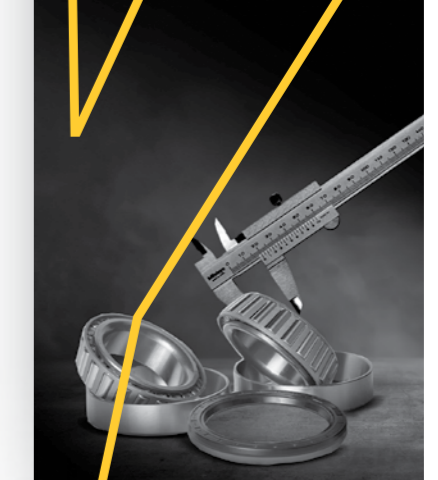


S I N C E 1 9 6 2

BULL WOKE UP WITH MASTER MUHSIN'S HAMMER HIT... THIS SOUND ECHOED ALL OVER THE WORLD AND THE BULL BECAME STRONG THROUGHOUT YEARS TO CARRY THAT LOAD. WHILE LEAVING ITS FOOTPRINTS IN ALMOST ONE HUNDRED COUNTRIES, LEARNED DURABLENESS, ABILITY, BEING UNBEATEN, RISING WITH AMBITION AND IT TAUGHT; THE THINGS THAT ONLY PEOPLE WHO WERE BORN FROM STEEL CAN UNDERSTAND...

## 2017

Çelikel had a first Research and Development Centre which was governmentally approved in its sector. Çelikel which is a brand that has innovation its genes, was selected the most innovative 50th company of Turkey in InovaLIG 2017. The bull which was boundless reached its target which was 100 countries in exportation.



## 2016

Çelikel was experiencing the honour of being one of the 100 fastest growing companies of Turkey (TOBB) as well while it was taking its part among the companies which completed their 50th year in machine manufacturing! Do you think it could be a coincidence? Depositories of hammer reached a new milestone by joining among the highest tax payers in same year.



## 2003

Çelikel started to produce feed mixer machine. That was a nice beginning to be a greatest feed mixer machine producer of the world.



## 1997

Çelikel gave up manufacturing of soil cultivation machines and canalized manufacturing of livestock farming machines. Silage machines and forage chopping machines were added to product group.



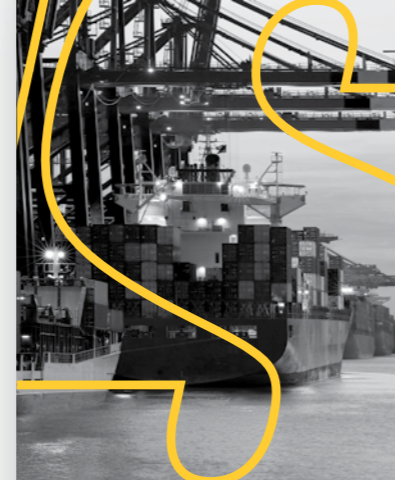
## 1992

Çelikel moved its new headquarter to Konya which is an industrial city.



## 1980

The first step was taken in exportation when manufacturing power of Çelikel which its spirit outgrew to its body outgrew to borders of country. The same step was signal of a successive exportation adventure.



## 1963

A steel hand touched the ground with plough manufacturing under the leadership of Muhsin TÜRKMEN.



## 1962

Deceased Muhsin TÜRKMEN brought together the first hammer hit and steel as brown as berry in Boğazlıyan district in Yozgat.



CLOSED AREA 30.000 M<sup>2</sup>  
OPEN AREA 10.000 M<sup>2</sup>

OUR FACTORY

ÇELİKEL is a manufacturing facility reflecting extraordinary people's arts and proficiencies to machines by combining imagination. In this facility experiencing bull legend, machines with hard stand and influential are produced. The place that Çelikel facility is located has a unique heritage, marvelous cultural and social environments and friendly people meeting newcomers. We are glad to host you at our home.





We are a company that has leadership spirit, enlighten future of industry via power having obtained from its past, manufacture machines that will be able to be "Choice of Professionals" in agriculture and livestock farming sectors.

We play team game with our style, determine the rule of game. Every product is a part of our game. It is not a result of a coincidence that you see footprints of Çelikel in more than 100 countries all over the world.

I N N U M B E R S

MANUFACTURING POWER	250 Employees 80% White Collar 20% Blue Collar
MANUFACTURING CAPACITY	30.000 Pcs Machine / Year
OUR MANUFACTURING UNITS	Metal Cutting Metal Shaping Quality Control Machining Welding Paint Shop Assemble

ÇELİKEL REALIZES MODEL/MOULD AND  
FIXTURE DESIGN AND MANUFACTURING  
IN ITS OWN STRUCTURE.

R&D works of Çelikel are performed by more than 20 qualified engineers working in its own structure with perfectness approach. In these operations including different disciplines CAD-CAM and SOLID-WORKS solid modelling platform working on PDM context are used. Its manufacturing improvement ability makes Çelikel privileged in national and global competition.



WHETHER YOU GO TO A BIG FARM IN ASIA OR TO A SMALL VILLAGE OF SOUTHERN AMERICA. THERE IS ALWAYS A POSSIBILITY FOR YOU TO ENCOUNTER WITH A ÇELIKEL IN MORE THAN 100 COUNTRIES ALL OVER THE WORLD...

# EXPORT



Every passing year, new countries are added to adventure of bull having started in Turkey. International sales operations of Çelikel are performed in 8 foreign languages in native fluency on sales and distribution channels expanding continuously.

Exact adaptation to quality and standardization situations which are requirement for global competition was provided. Here, quality concept got out

of forms and lied beyond to standards. Because, quality is a standing for us. This standing having penetrated to all the cells of manufacturing is signature of Çelikel.

It had a place itself as a reputable brand in 5 continents in more than 100 countries from China to Colombia, from Netherlands to Republic of Southern Africa by means of its effective communication, sales and work improvement skills.



## OUR 2050 VISION

We target to meet fundamental nutrition requirements of human race by undertaking leadership of mechanization and automation in agriculture in our world where agriculture areas decrease gradually, food production is parallel to increasing world population every passing year.

We try to design a machine suitable for all the works made with human hand in agriculture and livestock farming for the world that we imagine to gain productivity from each of the span of arable land. We present machines that will present the highest productivity with the lowest power requirement to the market with the most affordable prices by improving sustainable methods that will make our users feel that they got their value of money till the end in every drop of fuel and for each of watt electricity consumed.



# REAL FARMERS ARE HUNTERS

## WHAT IS FARMING ?

Farming is a difficult job taking long days and nights and require to continue in all the season conditions. Even, it is more than that. It is scars, explicit scratches, broken bones, sutures and bruises. It is sunlight and storms, dirt in nails and fodder in your boots. It is a good harvest cheer at early hours in the morning, at late hours at night and in long days, beauty of sunset, peace in stables. It is honey in your kitchen, a dog in your garden and freedom in your soul. It is belief, determination and success. It is fears, tear, laughter and love. Farming is a lifestyle. It is pride feeling. It is family job. Farming is a unique place where I am in and I want to be in!



# BRASSUS

DARK AS  
NIGHT  
STRONG AS  
BULL

**BRASSUS**  
H12

**CELIKEL**  
THE CHOICE OF PROFESSIONALS

**BRASSUS**  
H12

DARK AS  
NIGHT  
STRONG AS  
BULL

**H8**

CELIKEL

DI 11/11  
**BULL**

CELIKEL

CELIKEL

DARK AS  
NIGHT  
STRONG AS  
BULL

The only thing that Brassus do not have and the other machines have is a role model!

Children wearing their father's clothing think that they are grown up and become strong. However, this feeling is composed of a mistake taking short! There still has not been told something enough about BRASSUS despite it is the most preferred feed mixer machine of the world successive 3 years.

BLACK & BOLD reducer group that is groundbreaking and recorded in literature is integrated to BRASSUS with strength of 26 pieces of bolts. Performance of BRASSUS is completed with perfect design and velvety matte black paint.

Brassus makes much effort to be more merciful to its rivals but the other machines cannot go beyond from imagining of being grown up one day and being a BRASSUS! BRASSUS; DARK AS NIGHT, STRONG AS BULL!

# DARK AS NIGHT STRONG AS BULL



BRASSUS was designed an alone assertive system with its unique design and excellent adaptation..

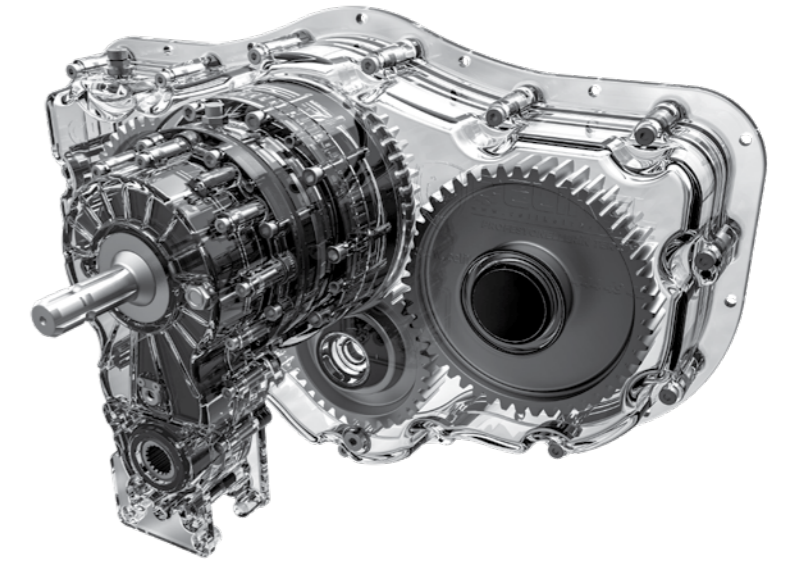


Purpose in TMR concept is to obtain the most homogenous mixture in the shortest time. Brassus auger system exhibits its mastership when feed mixture is prepared; especially provides high efficiency on chopping of coarse fodders.

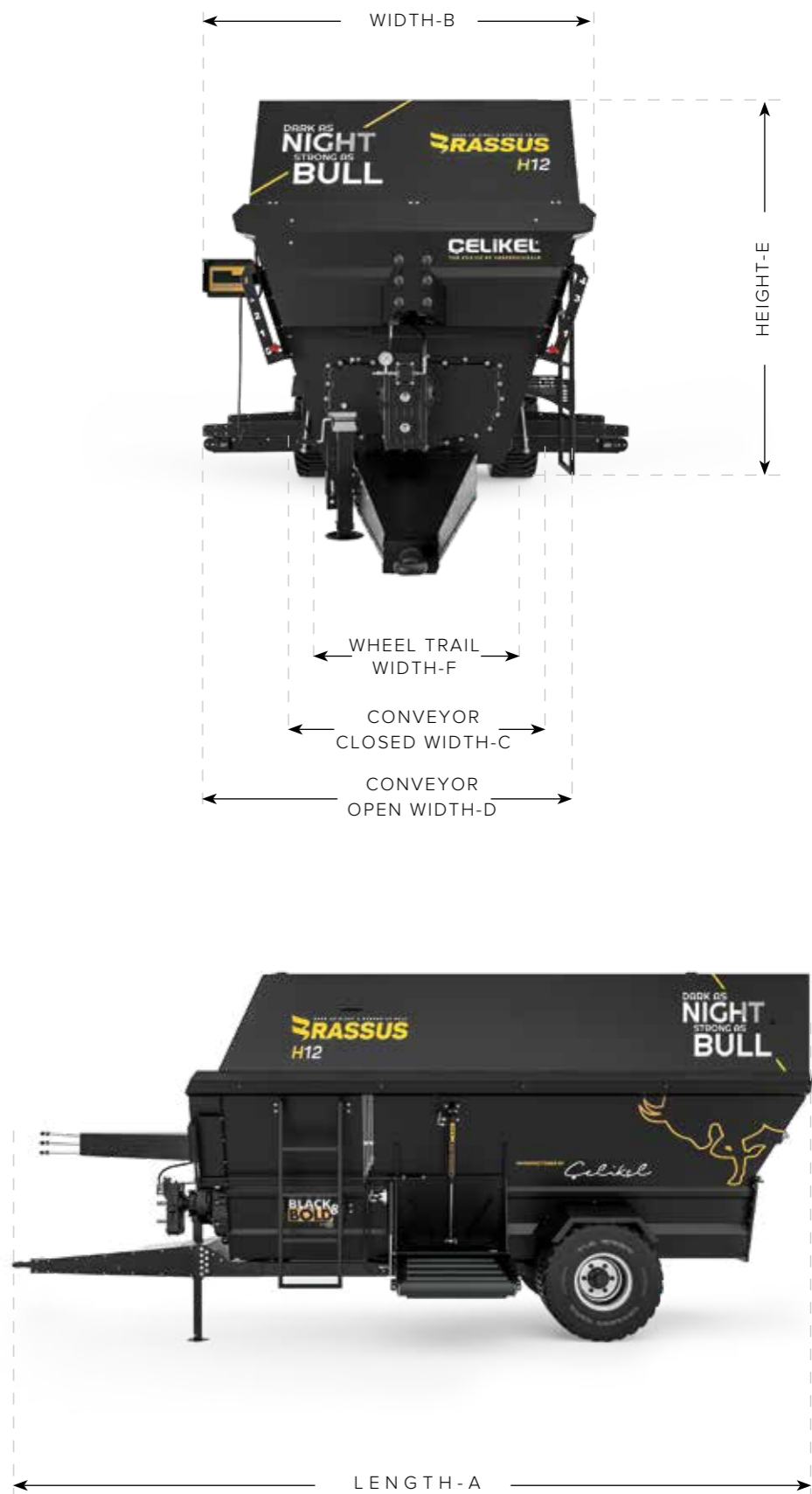


Knives of BRASSUS having special design provide the most effective rations to be prepared in result of being chopped and mixed of fibrous raw materials such as stem, forage and trefoil in reservoir.

There is NO company that will present you Black&Bold Gearbox technology all over the world except for ÇELİKEL! Being a machine is easy, hard one is being able to be BRASSUS! We do not have a doubt ever that power of Black&Bold gearbox will make your tractor jealous! Hesitate about yourself but do not hesitate about performance of BRASSUS!



VOLUME OF MACHINE	5 m <sup>3</sup>		6 m <sup>3</sup>		8 m <sup>3</sup>		10 m <sup>3</sup>		12 m <sup>3</sup>		14 m <sup>3</sup>	
CHASSIS OPTION	Low Level Chassis Option	High Level Chassis Option	Low Level Chassis Option	High Level Chassis Option	Low Level Chassis Option	High Level Chassis Option	Low Level Chassis Option	High Level Chassis Option	Low Level Chassis Option	High Level Chassis Option	Low Level Chassis Option	High Level Chassis Option
LENGTH -A (mm)	4580	4580	4930	4930	5060	5060	5900	5900	6350	6350	6670	6670
WIDTH-B (mm)	1865	1735	1865	1735	2135	2025	2230	2105	2230	2105	2230	2105
CONVEYOR CLOSED WIDTH-C (mm)	1950	1895	1950	1895	2115	2100	2215	2150	2215	2150	2215	2150
CONVEYOR OPEN WIDTH-D (mm)	2410	2350	2410	2350	2585	2530	2635	2571	2635	2571	2635	2571
HEIGHT-E (mm)	2200	2305	2200	2305	2350	2490	2450	2590	2530	2670	2650	2790
MAXIMUM LOADED WEIGHT (kg)	4310	4310	4800	4800	5950	5950	7000	7000	8050	8050	8910	8910
EMPTY WEIGHT (kg)	2810	2810	3000	3000	3550	3550	4000	4000	4450	4450	4710	4710
WHEEL TRAIL WIDTH-F (mm)	1571	1451	1571	1451	1806	1671	1806	1671	1806	1671	1806	1671
WHEEL SIZES	10.0/75-15.3	10.0/75-15.3	10.0/75-15.3	10.0/75-15.3	12.5/80-15.3	12.5/80-15.3	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5
NUMBER OF WHEEL	2	2	2	2	2	2	2	2	2	2	2	2
PTO SPEED (rpm)	540	540	540	540	540	540	540	540	540	540	540	540
POWER REQUIREMENT – PTO (HP)	54	54	60	60	70	70	80	80	90	90	105	105
LOADCELL QUANTITY	3	3	3	3	3	3	3	3	3	3	3	3
NUMBER OF KNIFE	54	54	64	64	88	88	110	110	132	132	144	144
RIGHT MANUEL CONTROL SYSTEM	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
RIGHT DISCHARGE CONVEYOR	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
MECHANICAL JACK	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
STAIR	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
RIGHT CABLE CONTROL SYSTEM	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
LEFT CABLE CONTROL SYSTEM	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
HYDRAULIC JACK	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
FEED DISCHARGE PLATE	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
BAGGING KIT	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
LEFT DISCHARGE CONVEYOR	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
WEIGHT SYSTEM	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
LOADING BUCKET	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
PTO+ELECTRICITY ENGINE DRIVEN	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional



1 m<sup>3</sup> FEED = 300 KG (60% OF RATION CONTENT WAS CALCULATED QUALITY COARSE FEED.)  
 WEIGHT VALUES GIVEN IN TABLE ARE FOR BASE MACHINE. MACHINE WEIGHTS MAY DIFFER FROM OPTIONS.  
 ÇELIKEL AGRICULTURE LTD. CO. RESERVES RIGHT TO CHANGE TECHNICAL ATTRIBUTE VALUES.

History of feed mixer machines started with Biomix, continued with Probiomix, improved with Charger, was completed with BRASSUS. The last word to be said about BRASSUS feed mixer machines! Feed mixer is a machine for someone but we call it BRASSUS. It is mechanization state of perfection and now BRASSUS that has 2m<sup>3</sup>, 3m<sup>3</sup> and 4m<sup>3</sup> capacity models are on sale also! That is bad news for rivals! It is good news of salvation for users!



VOLUME OF MACHINE	2 m <sup>3</sup>		3 m <sup>3</sup>		4 m <sup>3</sup>	
	Trailer Type	Stationary Type	Trailer Type	Stationary Type	Trailer Type	Stationary Type
CHASSIS OPTION	Trailer Type	Stationary Type	Trailer Type	Stationary Type	Trailer Type	Stationary Type
LENGTH-A (mm)	3050	2310	3430	2690	3700	2960
WIDTH-B (mm)	1410	1450	1425	1470	1500	1465
HEIGHT-E (mm)	1575	1965	1825	2150	2025	2340
DISCHARGE CONVEYOR PLATE-G (mm)	1520	1520	1520	1520	1520	1520
MAXIMUM LOADED WEIGHT (kg)	1590	1560	2070	2030	2470	2450
EMPTY WEIGHT (kg)	990	960	1170	1130	1270	1250
WHEEL TRAIL WIDTH-F (mm)	1212	-	1220	-	1220	-
WHEEL SIZE	165/80-R13-PT311	-	175/65-R14-PT311	-	185/65-R14-PT311	-
RIM	4.00x13-B4	-	5.50x14-B5	-	5.50x14-B5	-
NUMBER OF WHEEL	2	-	2	-	2	-
PTO SPEED (rpm)	540	540	540	540	540	540
POWER REQUIREMENT – PTO (kw/hp)	7,5kw/15hp	7,5kw/15hp	11 kw/20 hp	11 kw/20 hp	15kw/25hp	15kw/25hp
NUMBER OF KNIFE	26	26	36	36	52	52
MECHANICAL JACK	Standard	-	Standard	-	Standard	-
FEED DISCHARGING PLATE	Standard	Standard	Standard	Standard	Standard	Standard
BAGGING KIT	Optional	Optional	Optional	Optional	Optional	Optional
MECHANICAL DISCHARGING COVER (RIGHT)	Standard	Standard	Standard	Standard	Standard	Standard
REAR LOADING DOOR	Standard	Standard	Standard	Standard	Standard	Standard
HYDRAULIC FEED DISCHARGING COVER	Optional	-	Optional	-	Optional	-
ELECTRICAL DRIVE UNIT	Optional	Standard	Optional	Standard	Optional	Standard

1 m<sup>3</sup> FEED = 300 KG (60% OF RATION CONTENT WAS CALCULATED QUALITY COARSE FEED.)

WEIGHT VALUES GIVEN IN TABLE ARE FOR BASE MACHINE. MACHINE WEIGHTS MAY DIFFER FROM OPTIONS.

ÇELIKEL AGRICULTURE LTD. CO. RESERVES RIGHT TO CHANGE TECHNICAL ATTRIBUTE VALUES.







# CHARGER





CHARGER series feed mixer machines becomes solution of every business with different capacity options. CHARGER series providing simplicity of homogenous and quality rations preparation with auger systems peculiar to its capacity exhibits its mastership on mixing of coarse and concentrate feeds.

PERFECT MIXTURE OF DESIGN, ENGINEERING AND STYLE, CHARGER.

This year ÇELİKEL engineers and industrial design team achieved a masterpiece machine. There is not anything impossible in CHARGER with more than 250 different options and models! Do you expect less from the leader?



VOLUME OF MACHINE	0.75 m <sup>3</sup>	1.5 m <sup>3</sup> LE	1.5 m <sup>3</sup> T	2 m <sup>3</sup> TB	2 m <sup>3</sup> LE	2 m <sup>3</sup> L	2 m <sup>3</sup> TEBH	3m <sup>3</sup>	4 m <sup>3</sup>	5 m <sup>3</sup>	6 m <sup>3</sup>	8 m <sup>3</sup>	10 m <sup>3</sup>	12 m <sup>3</sup>	14 m <sup>3</sup>
LENGTH-A (mm)	1500	1800	2625	3910	1980	1960	3910	4280	4280	4780	4780	5200	5200	5200	5200
WIDTH-B (mm)	1500	1670	1670	1680	1920	1450	1835	1855	1855	2115	2115	2150	2150	2150	2150
HEIGHT-E (mm)	1490	1600	1750	1730	1620	1620	1730	2000	2350	2235	2490	2460	2660	2860	3060
MAXIMUM LOADED WEIGHT (kg)	605	910	990	1570	1260	1170	1640	2140	2520	3100	3540	5430	6250	8110	9030
EMPTY WEIGHT (kg)	380	460	540	970	660	570	1040	1240	1320	1600	1740	3030	3250	4510	4830
PTO SPEED (rpm)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
WHEEL OPTIONS	4 xø150 Caster Wheel	-	2 x 160/6.5/8	2 x 185/R14c	-	-	2 x 185/R14c	2 x 10.0/75-15,3	2 x 10.0/75-15,3	2 x 10.0/75-15,3	2 x 10.0/75-15,3	2 x 12.5/80-15.3	2 x 12.5/80-15.3	2 x 12.5/80-15.3	2 x 12.5/80-15.3
POWER REQUIREMENT (v - kw/hp)	220 v - 3kw/4hp	380 v - 7.5 kw/10hp	380 v - 7.5 kw/10hp	35hp	380 v - 7.5 kw/10hp	35hp	380 v - 7.5 kw/10hp	40 hp	40 hp	50-55 hp	50-55 hp	48 kw/65 hp	48 kw/65 hp	59 kw/80 hp	80 hp
POWER SOURCE	Electric + Pto	Electric + Pto	Pto	Pto	Electric + Pto	Pto	Electric + Pto	Pto	Pto	Pto	Pto	Pto	Pto	Pto	Pto
WEIGHT SYSTEM LOADCELL QUANTITY	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
NUMBER OF AUGER KNIFE	4	5	5	5	5	5	5	6	6	7	7	8	8	10	10
NUMBER OF STABLE KNIFE	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2
STAIR	-	-	-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
RIGHT SIDE DISCHARGING COVER	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Optional
LEFT SIDE DISCHARGING COVER	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
FRONT DISCHARGING COVER	-	-	-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
REAR DISCHARGING COVER	-	-	-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
RIGHT AND LEFT SIDE DISCHARGING COVER	-	-	-	Standard	-	-	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Optional
RIGHT CROSS DISCHARGING COVER	-	-	-	-	-	-	-	-	-	-	-	Standard	Standard	Standard	Standard
RIGHT FRONT CROSS AND LEFT FRONT CROSS DISCHARGING COVER	-	-	-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
BAGGING KIT	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
WEIGHT SYSTEM	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
LOADING BUCKET	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
ELECTRIC ENGINE	Standard	Standard	Optional	Optional	Standard	-	Standard	Optional	Optional	-	-	-	-	-	-
DISCHARGING COVER	Manuel	Manuel	Hydraulic	Hydraulic	Manuel	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
HYDRAULIC (STAND-ALONE)	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CONVEYOR BELT	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
MAGNET	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
BUCKET OPTION	-	-	-	Standard	-	-	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Optional
AXLE SYSTEM WITH BRAKE	3 Point Connection Type	3 Point + Stable Type	3 Point + Towing Type	Towing Type	3 Point + Stable Type	3 Point + Stable Type	Çeki Tipi	Trailer Type	Trailer Type	Trailer Type	Trailer Type	Trailer Type	Trailer Type	Trailer Type	Trailer Type
WARNING LIGHT	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
BUFFER LIGHTS	-	-	-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional

VERTICAL  
FEED MIXER **20SL**

**CHARGER**  
PROMISES DELIVERED

VERTICAL  
FEED MIXER **20SL**

**CHARGER**  
PROMISES DELIVERED





NETHERLANDS AND  
TURKISH ENGINEERS  
DESIGN IN COMMON

Çelikel looking after requirements of all businesses working on animal production area manufactures CHARGER series feed mixer machines in several capacities range from 0,75 m3 to 52 m3. CHARGER Series having vertical auger system distinguishes with chassis design and bunker capacities.



Height which is disadvantage of vertical feed mixer machines is not problem anymore by means of Çelikel engineer's compact design. Homogenous rations are prepared with less power requirement in CHARGER Series feed mixer machines.

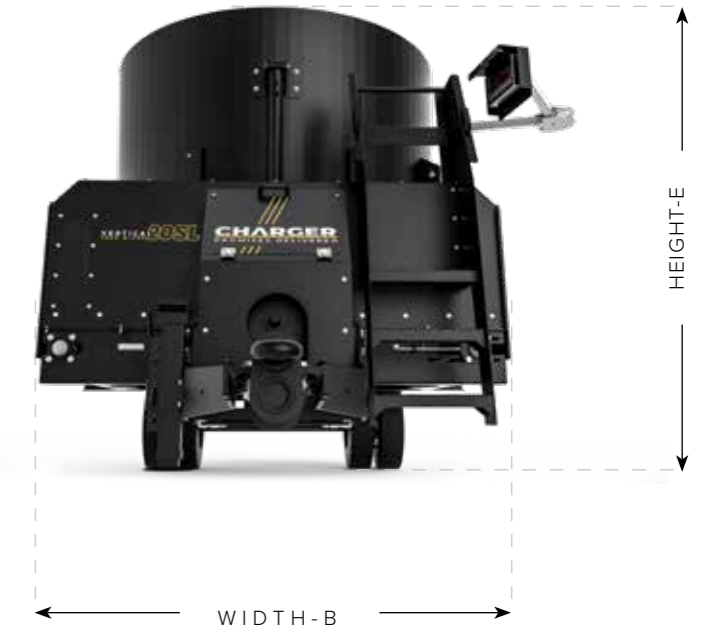
# OVERHAULING RESPONSE



VERTICAL  
FEED MIXER 20SL

**CHARGER**  
PROMISES DELIVERED

VOLUME OF MACHINE	16 m <sup>3</sup>	18 m <sup>3</sup>	20 m <sup>3</sup>	22 m <sup>3</sup>	20 m <sup>3</sup>	22 m <sup>3</sup>	30 m <sup>3</sup>
LENGTH-A (mm)	7600	7700	7890	7890	7700	7760	8670
WIDTH-B (mm)	2225	2250	2225	2225	2225	2225	2500
HEIGHT-E (mm)	2730	2590	2735	2800	2590	2770	3195
MAXIMUM LOADED WEIGHT (kg)	11490	12490	13200	14000	12360	13000	19700
EMPTY WEIGHT (kg)	6690	7090	7200	7400	6360	6400	10700
PTO SPEED (rpm)	540	540	540	540	540	540	540
WHEEL OPTIONS	4 x 215/70/R17.5	4 x 215/70/R17.5	4 x 215/70/R17.5	4 x 215/70/R17.5	-	-	-
POWER REQUIREMENT - PTO (kw/hp)	67kw /90hp	70kw /95hp	81kw /110hp	81kw /110hp	2 x 45 kw	2 x 45 kw	110 kw
NUMBER OF WEIGHT SYSTEM LOADCELL	3	3	3	3	4	4	4
NUMBER OF AUGER KNIFE	2 x 8	2 x 8	2 x 10	2 x 10	2 x 10	2 x 10	2 x 10
NUMBER OF STABLE KNIFE	2	2	2	2	2	2	2
STAIR	Optional	Optional	Optional	Optional	-	-	-
FRONT DISCHARGE COVER	Standard	Standard	Standard	Standard	Standard	Standard	Standard
REAR DISCHARGE COVER	Optional	Optional	Optional	Optional	Optional	Optional	Optional
RIGHT CROSS DISCHARGE COVER	Optional	Optional	Optional	Optional	-	-	-
RIGHT FRONT CROSS AND LEFT FRONT CROSS DISCHARGE COVER	Optional	Optional	Optional	Optional	-	-	-
BAGGING KIT	Optional	Optional	Optional	Optional	-	-	-
WEIGHT SYSTEM	Optional	Optional	Optional	Optional	Standard	Standard	Standard
LOADING BUCKET	Optional	Optional	Optional	Optional	Optional	Optional	Optional
ELECTRICITY ENGINE	-	-	-	-	Standard	Standard	Standard
TWO SPEED REDUCER	Optional	Optional	Optional	Optional	-	-	-
DISCHARGE COVER	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Mekanik	Mekanik	Mekanik
HYDRAULIC (STAND-ALONE)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
CONVEYOR BELT	Optional	Optional	Optional	Optional	Optional	Optional	Optional
MAGNET	Optional	Optional	Optional	Optional	-	-	-
TRACTOR CONNECTION TYPE	Trailer Type	Trailer Type	Trailer Type	Trailer Type	Stable Type	Stable Type	Stable Type
AXLE SYSTEM WITH BRAKE	Optional	Optional	Optional	Optional	-	-	-
WARNING LIGHT	Optional	Optional	Optional	Optional	Optional	Optional	Optional
BUFFER LIGHTS	Optional	Optional	Optional	Optional	-	-	-



1m<sup>3</sup> FEED = 300 KG (60% OF RATION CONTENT WAS CALCULATED QUALITY COARSE FEED.)

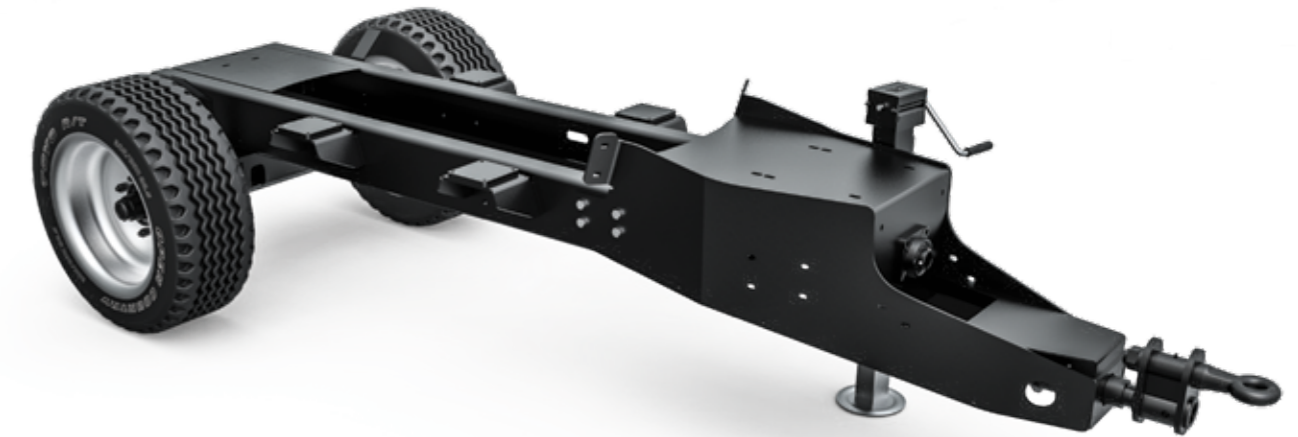
WEIGHT VALUES GIVEN IN TABLE ARE FOR BASE MACHINE. MACHINE WEIGHTS MAY DIFFER FROM OPTIONS.

ÇELİKEL AGRICULTURE LTD. CO. RESERVES RIGHT TO CHANGE TECHNICAL ATTRIBUTE VALUES.

Charger Series has a unique auger design that will be able to prepare effective rations besides it is longer lasting with bottom and side section sheet thickness.



One of the things that we needed to support CHARGER with the best equipment is adjustment of BLACKBOX to vertical feed mixers and we realized it! Opportunity to decrease fuel expenditure up to 75% for CHARGER feed mixer machines with vertical augers is possible also via BLACKBOX.



#### STRONG , STABLE AND CONFIDENTIAL CHASSIS

The only thing to carry strong structures is strong fundamental, just like chassis of CHARGER. We combined St52 steel construction with bunker by supporting feeders. We presented it to your pleasure with Çelikel signature after excellent labor.



# CHALLENGER





Manufacturing of silage machines needs to undergo difficult processes on the point of enhancing performance besides it entails proficiency. CHALLENGER I was designed with awareness how maize silage is important for livestock farming by being overcome this difficult process. CHALLENGER I, professional solution of small and middle scale businesses can make silage up to 1500 m<sup>2</sup> per hour with a low power requirement like 40 hp. Also, it can deliver silage to desired place of trailer perfectly by means of Superblow strong blowing system with its hydraulic controlled funnel system and directed head.

C O M P E T I T I O N

I S O V E R



Many years ago, Bekir TÜRKMEN asserted that he would be able to operate row independent silage machine with 75 hp by introducing CHALLENGER 2 concept that he developed new. In the beginning, no one thought that it could be possible. Because it was just an imagination that being operated that machine via a tractor less than 100 hp in those years. However, on the contrary of expectation, name CHALLENGER turned into a great legend as CHALLENGER's appeared in field by spreading its success word of mouth. Çelikel having obtained 20% proportion first year, having obtained 45% proportion second year from the market, put the flag top in its third year by selling more machine than its total rivals. This rising was a sign that rules would be written in sector of silage machines by ÇELIKEL after that. Then, if name CHALLENGER comes to mind today when silage machine is said, this is because it achieved impossible!





IT CAN BE THE MOST  
DESIRED MACHINE OF  
SECTOR .

Some people desire it because they are impressed from its appearance.

Some for something other people say about it.

Some for its performance.

Some for prestige.

Some for second hand is worth.

And some do not need reason, just desire:

The Most Successful Machine of Turkish Agriculture Machine Sector!

CHALLENGER!

Please welcome your new partner in crime CHALLENGER 3

It has already everything that you require in a machine!



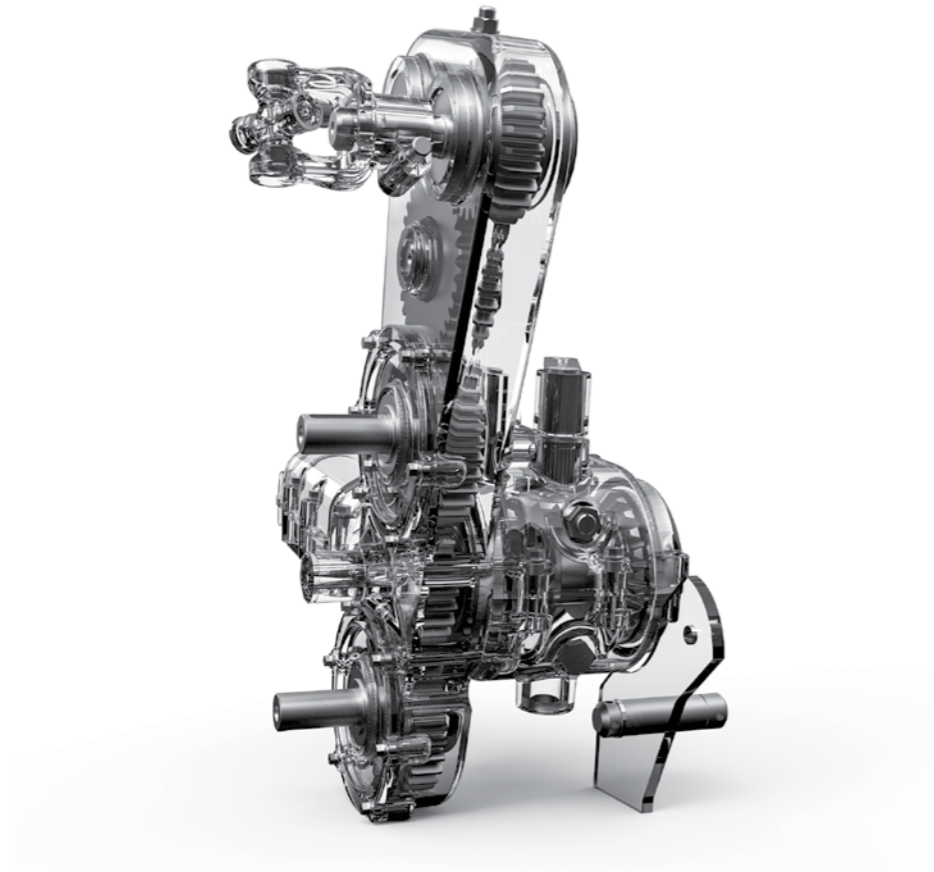
We have been designing and manufacturing a new machine almost every year for 60 years. We present CHALLENGER 4 to your pleasure this year! It is the aristocrat of silage machines. We manufactured future's machine from today via power that we received from experiences having come from the past!

The things that CHALLENGER 4 make you feel at first glance will be continuity, that contemporary style is reflected to steel and irresistible attraction of aesthetic. You will understand very clearly what we mean when you see CHALLENGER 4. Even, you will think that we told little!

CHALLENGER 4 is a world standard on its own!



Piston starts from the top point, fuel intake valve is opened in working hierarchy of engines. Piston goes down for cylinder of engine to fill with air and diesel fully and fuel is taken in. Then, piston moves to first position and compresses air/diesel mixture. Compression makes explosion heavier. Ignition unit ignites diesel when piston reaches peak point. Diesel stored in cylinder explodes and pushes piston down. Exhaust valve is opened when piston hits the bottom point one time and sends exhaust gas inside the cylinder to exhaust pipe. Now, engine is ready for the next cycle. This continues as a cycle. In fact, easy part is here. Actual difficult part is related how that power will be used. In this point perfect gearboxes of ÇELİKEL come into play. If conditions are difficult and fuel is expensive, a ÇELİKEL gearbox is enough to overcome difficulties!



ATTRIBUTES	SINGLE ROW SILAGE MACHINE	2 ROW SILAGE MACHINE	3 ROW SILAGE MACHINE	4 ROW SILAGE MACHINE
LENGTH (WORK POSITION (mm))	2380	2680 (Side Position)	2600	2920
LENGTH - ROAD POSITION (mm)	1185	2750	2600	2920
HEIGHT - WORK POSITION (mm)	3175	4130	4165	4375
HEIGHT - ROAD POSITION (mm)	2122	2460	2475	2703
WIDTH - WORK POSITION (mm)	2355	4190	4115	3055
WIDTH - ROAD SITUATION (mm)	2355	1985	2420	3055
WIDTH - REAR WORK POSITION (mm)	2750	2750	-	-
MODEL	CHALLENGER I	CHALLENGER II PLUS	CHALLENGER III	CHALLENGER IV
WORK WIDTH (mm)	700	1250	2100	3000
WORK CAPACITY * (m <sup>2</sup> /saat)	1000 - 1500	4000 - 4500	5000 - 6000	8000 - 10000
MINIMUM POWER REQUIREMENT** (kw/hp)	28 kw/40 hp	56 kw/75 hp	100 kw/130 hp	110 kw/150 hp
PTO WORKING REVOLUTION (rpm)	540	540 / 750 (Optional)	540 / 1000	1000
WORKING POSITION	Right Side	Front (Optional) / Right Side / Rear	Front / Rear	Standard
NUMBER OF THROWING PALLET	6	12	12	12
NUMBER OF CHOPPER KNIFE	12	12	12	12
NUMBER OF SHREDDER KNIFE	12	12	12	12
NUMBER OF STABLE KNIFE	1	1	1	3
CHOPPING SIZE*** (mm)	3-10	Adjustable (3 - 10)	Adjustable (3 – 10 mm)	Adjustable (3 – 10 mm)
WHEEL SIZE	16x6,5-8	165x70x13	165x70x13	21x8-9 NHS
NUMBER OF WHEEL	1	1	2	2
THREE POINT CONNECTION SYSTEM	Category II	Category II - III	Category II - III	Category II - III
WEIGHT (kg)	600	1350	1520	2350 kg
HYDRAULIC (STAND-ALONE)	-	Standard	-	-
HYDRAULIC CONTROLLER POSITION	-	Operator Side (Inside Tractor Cabin)	-	-
NUMBER OF ROUND KNIFE	-	6	6	-
SHREDDER KNIVES	-	Special Design on Chopper Knife Surface	Special Design on Chopper Knife Surface	-
INSIDE BUNKER GGG60 CAST IRON CRUSHER (OPTIONAL*)	Operator Side (Inside Tractor Cabin)	-	-	-
CHOPPER KNIVES	Optional	Optional	-	-
OPTIONAL INSIDE BUNKER GGG60 CAST IRON CRUSHER*	Optional	Optional	-	-
SAFETY SYSTEM	-	Power Transmission Belt	Power Transmission Belt	-
MACHINE MOVEMENT TRANSMISSION	-	Gear Box and Flexible Transmission Combination	Gear Box and Flexible Transmission Combination	-
HYDRAULIC MIDDLE LEVER	-	Standard	Standard	-
TEMPORARY REVERSE OPERATION	-	-	-	Standard

# CHOPPER



CHOPPER is an ideal machine to obtain silage from all kind of green fodder plant. It exhibits its difference among its similar machines with strong gearbox and chassis system even first usage. It sustains work productivity in same standard even in the most difficult conditions. Rotor system composed of two free running different parts manufactured from special steel keeps performance standard in highest level. CHOPPER forage harvester machine that can chop in very small size via its stable knives adopts maximum precision principle in silage cutting quality. It removes knife breaking problem with free movements of cutters.



Hydraulic lubrication and controller system provide simplicity in usage of CHOPPER, its strong gearbox provides fuel economy and presents contribution to chopping quality. Height adjustment of CHOPPER can be changed easily depending on rugged terrains via three point connection system.

ÖZELLİKLER	OT SİLAJ MAKİNESİ
MODEL	CHOPPER 1300
LENGTH (WORK POSITION) (mm)	2100
LENGTH (ROAD POSITION) (mm)	2455
WIDTH (WORK POSITION) (mm)	3005
WIDTH (ROAD SITUATION) (mm)	1425
HEIGHT (WORK POSITION) (mm)	3280
HEIGHT (ROAD POSITION) (mm)	1550
WEIGHT (kg)	650
WORKING WIDTH (mm)	1300
WORK CAPACITY (ton/hour)	17
MIN. POWER REQUIREMENT (hp)	28kw/40hp
PTO WORKING REVOLUTION (rpm)	540
WORKING POSITION	Sağ Yan
NUMBER OF CHOPPER KNIFE	21
NUMBER OF STABLE KNIFE	2
CHOPPING SIZE (mm)	50-150
WHEEL SIZE	4,5-10/4PR
NUMBER OF WHEEL	2
THREE POINT CONNECTION SYSTEM	CATEGORY II

THAT AVERAGE SILAGE PRODUCTIVITY IS 7500 KG WAS CONSIDERED. IT MAY DIFFER DEPENDING ON OPERATOR EXPERIENCE AND FIELD CONDITION.

THEY ARE PTO OUT VALUES OF TRACTOR.

THEY ARE AVERAGE VALUES. IT MAY DIFFER DEPENDING ON KIND OF PRODUCT AND MOISTURE AMOUNT OF PRODUCT.

TECHNICAL ATTRIBUTE VALUES ARE VALID AS OF PUBLISH DATE. ÇELIKEL AGRICULTURE MACHINES LTD. CO. RESERVES RIGHT TO CHANGE RELATED TO TECHNICAL ATTRIBUTES AND MACHINE DESIGN WITHOUT ANY NOTIFICATION.





# CRAFTERS



THE MORE YOU DESIRE PERFECTION,  
THE MORE YOU APPROACH TO CRAFTER!

There are particular people giving credit for quality and perfection. CRAFTER exists for them. Therefore we manufactured a machine accepted universally. Its name tells it best.

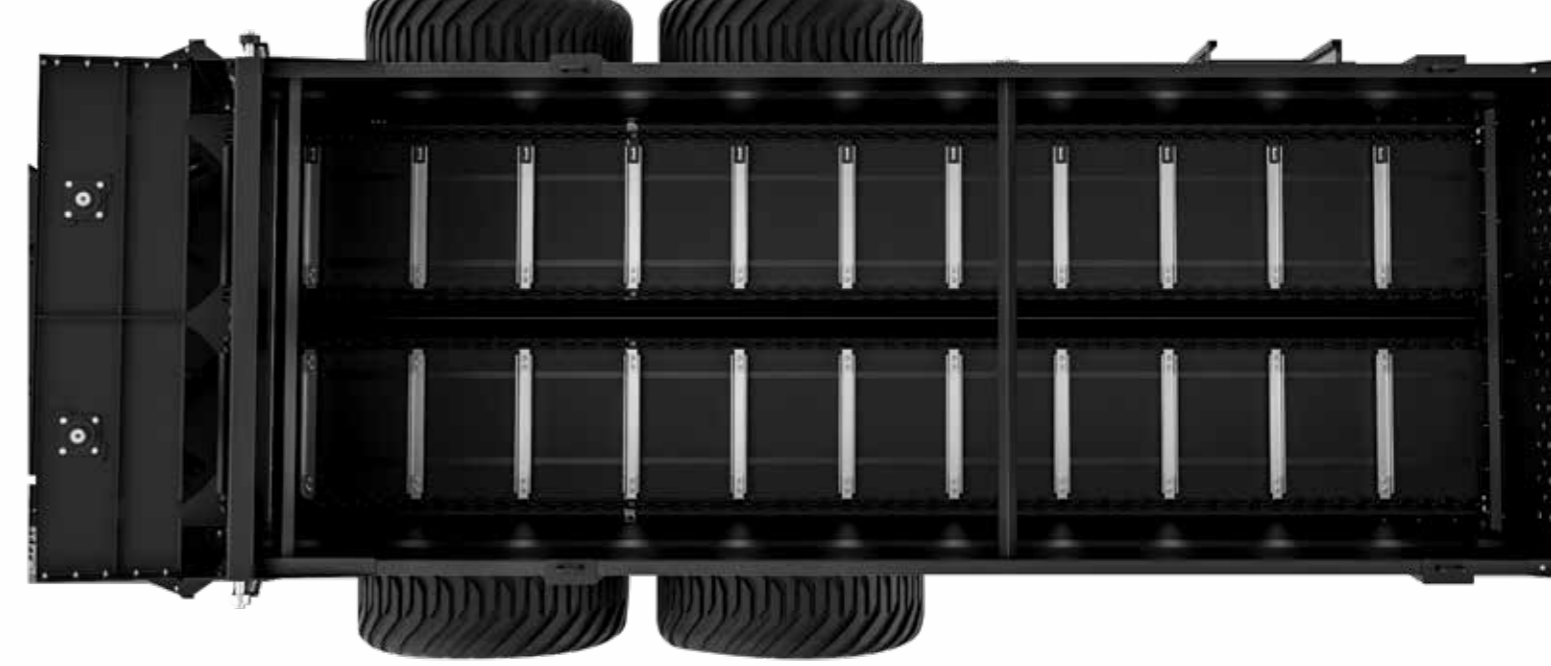
CRAFTER is beyond a machine for people thinking ahead and putting quality to first plan. CRAFTER is perfection, CRAFTER is engineering, CRAFTER is objection, CRAFTER is breaking rules, CRAFTER is breaking games, CRAFTER is a standing style.

ROUGHER | TOUGHER | CRA

**CELIKEL**  
THE CHOICE OF PROFESSIONALS

**CRAFTER**  
PREMIUM





# *CRAFTER*



Unknown substances appearing sometimes in manures are the biggest enemies of solid manure spreader trailers. CRAFTER uses hitters enabling those substances that will be able to harm to working parts of the machine to be removed with manure without problem. Also, it presents opportunity to adjust manure spreading level from tractor via hydraulic guillotine cover system.



GENTLEMEN: FIRE ENGINES!

Our engineers thinking like machines reflected their imaginations to design!

You are witnessing the conversion moment of steel to armor with a completely different approach!

There CRUISER 2019!

Almost everyone are trying to manufacture machine but only Çelikel can handle subject from a different way!

CRUISER has overwhelming design, superior attributes and is a machine destroying self-confidence of its rivals!

If your heartbeat does not accelerate when you look at CRUISER, call a doctor immediately! You may have heart failure most probably!

More pressure in every gallon and faster progress in every acre!

People wanting to play harsh! There your new partner in crime!





Tank filling process is completed within very short time by means of excellent pump intake and pressure power of CRUISER. Then, you can realize manuring in fields comfortably via liquid manure spreader system.

You can see how CRUISER is serious in performance via pressure and vacuum indicators, you can manage machine without you get out of tractor. CRUISER both decreases manure cost and works to enhance productivity.

CRAFTER MODEL	X7	X13	X15	X18	X20
LENGTH-A (mm)	5890	7395	8120	7725	8355
WIDTH-B (mm)	2265	2265	2965	2965	3115
HEIGHT-E (mm)	2870	2935	2985	3325	3295
WHEEL TRACK WIDTH-F (mm)	1720	1760	2425	2425	2620
LOADING HEIGHT-G (mm)	2450	2500	2620	2960	2930
EMPTY WEIGHT (kg)	4000	4750	5835	6150	6400
MAXIMUM OVERLOADING	8900	13200	16500	19500	22000
COVER LEVEL (kg)	8250	12500	15000	17500	20000
MAX. TOTAL WEIGHT (kg)	13250	18620	22335	25650	28400
POWER REQUIREMENT – PTO (hp)	60	70	90	120	150
CAPACITY (TON)	8,25	13	15	17,5	20
MAX. CAPACITY (m3)	7,4	11	13,3	16,3	17,3
SPREADER SYSTEM	Vertical Spreader (With Hitters)	Vertical Spreader (With Hitters)	Vertical Spreader (With Hitters)	Vertical Spreader (With Hitters)	Vertical Spreader (With Hitters)
PTO SPEED (rpm)	540 rev/min	540 rev/min	540 rev/min	540 rev/min	540 rev/min
SPREAD AREA (m)	4...20	4...20	4...20	4...20	4...20
WHEEL SIZE	400/60 R 15,5	400/60 R 15,5	550-60 * 22,5	550-60 * 22,5	600-50 * 22,5
NUMBER OF WHEEL	2	4	4	4	4
SUSPENSION SYSTEM	Sabit	Tandem	Tandem	Tandem	Tandem
BRAKE SYSTEM	Opsiyonlu	Opsiyonlu	Standard	Standard	Standard



VALUES WERE CALCULATED BY BEING TAKEN MANURE INTENSITY 1,25 TON/M<sup>3</sup>.

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CRUISER MODEL	Z3	Z5	Z10	Z20
VOLUME OF MACHINE (lt / gallon)	3000 / 792	5000 / 1320	10000 / 2640	20000 / 5280
LENGTH-A (mm)	4350	5880	7670	9500
WIDTH-B (mm)	2000	2150	2617	2525
HEIGHT-E (mm)	2470	2651	3045	3345
POWER REQUIREMENT - PTO (kw/hp)	30kw / 40hp	40kw / 55hp	52kw / 70hp	82kw / 110hp
PTO SPEED (rpm)	540	540	540	540
DISCHARGING SYSTEM	Pressure Management - With Sprinkling	Pressure Management - With Sprinkling	Pressure Management - With Sprinkling	Pressure Management - With Sprinkling
WHEEL SIZE	13.0 16,5 / 18	400/60 15,5	550/60	550/60 22,5
WEIGHT (kg)	1200	1914	2940	5500
MAX. TOTAL WEIGHT (kg)	4800	8900	14740	28500
SPREAD AREA (m)	10 - 15	10 - 15	10 - 20	10 - 30
NUMBER OF WHEELS	2	2	2	4
AXLE SYSTEM	Single Axle	Single Axle	Single Axle	Single Axle
HYDRAULIC BRAKE	Standard	Standard	Standard	Standard
WARNING LIGHT	Standard	Standard	Standard	Standard
EXTERNAL FILLING COVER	Standard	Standard	Standard	Standard
HYDRAULIC SPREADER VALVE	Standard	Standard	Standard	Standard
ANGLE ADJUSTABLE SPREADER	Standard	Standard	Standard	Standard
MANURE SEPERATOR TANK	Standard	Standard	Standard	Standard
TANK SAFETY VALVE	Standard	Standard	Standard	Standard
GEOMETRIC PUMP CAPACITY (L / min)	5000	7000	7000	11000
VACUUM SAFETY VALVE	Standard	Standard	Standard	Standard
PRESSURE SAFETY VALVE	Standard	Standard	Standard	Standard
TOP THROWER	Optional	Optional	Optional	Optional
TOP THROWER DISTANCE (45° - 5 BAR)	40 - 60 m	40 - 60 m	40 - 60 m	40 - 60 m
HYDRAULIC TOP THROWER VALVE	Optional	Optional	Optional	Optional

VALUES WERE CALCULATED BY BEING TAKEN MANURE INTENSITY 1,25 TON/M<sup>3</sup>.

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# SCUD



Thanks to "Çelikel SCUD" manure management equipment, animal manure, one of the biggest problems in our business, will be profitable. Having a distinctive look with a special design, SCUD will win your performance with the performance it will exhibit at the same time under tough conditions.

The "SCUD" Fertilizer Separator provides the highest performance due to the solidity of the carbide coated spiral and the stainless spiral shaft, as well as being able to use the operator for many years without incurring maintenance costs.



SCUD PUMP can work without the crusher feature thanks to its unique open stainless fan system. The "Scud pump" steel casting body absorbs all the external pulsations and exhibits superior performance even under extreme conditions.



SCUD SCRAPER series manure scrapers can be produced for all company with hydraulic, chain and rope alternatives.



### SEPERATOR

MODEL	SCUD 4000	SCUD 6000
MOTOR	5.5 kW	5000 / 1320
WEIGHT	460 kg	5880
CAPACITY	25-40 m <sup>3</sup> /hour	40-60 m <sup>3</sup> /hour
SIEVE	0,3-1 mm	0,3-1 mm
W/L/H	50/175/115 cm	60/205/115 cm

### MIXER

MODEL	SCUD MIX 11	SCUD MIX 22
POWER	11 kW	22 kW
WEIGHT	180 kg	220 kg
WING DIAMETER	575 mm	600 mm
TOUR	400 rpm/min	400 rpm/min

### PUMP

MODEL	SCUD PUMP 5.5	SCUD PUMP 11
POWER	5,5 kW	7,5 kW
WEIGHT	75 kg	85 kg
CAPACITY	80 m <sup>3</sup> /hour	120 m <sup>3</sup> /hour
TOUR	1400 rpm/min	1400 rpm/min







SPACEBULL  
INTERFACE

PERPETUALGO  
2

PERPETUALGO  
2

*Celikel*

MANUFACTURED BY  
*Celikel*

ZERO AIR PRESS SYSTEM

PERPETUALGO 2

CELKE



## PERPETUAL GO 2

ÇELİKEL PERPETUAL, multi-purpose packaging machines were designed for requirements of small and medium scale businesses. However, PERPETUAL can be built as a packaging factory with higher capacity any time by considering packaging requirements of big businesses also. ÇELİKEL engineers having developed PERPETUAL started from the fact that it becomes a semi-automatic and more economical machine rather than it becomes a fully automatic and expensive will be more suitable in terms of investment costs. It is an optimum machine with an affordable price. Its name is PERPETUAL!



## PERPETUAL 1

PERPETUAL series was designed in three main categories, in six different models directed to different purpose and usage conditions. These are stationary PERPETUAL I and PERPETUAL II models, Semi mobile form PERPETUAL GO I and PERPETUAL GO II models and last PERPETUAL ULTIMATE I and PERPETUAL ULTIMATE II models having fully automatic dosing bunker. Contact with a Çelikel dealer to learn the most suitable PERPETUAL model for you!



## PERPETUAL 1

PERPETUAL is the most functional packaging machine having been developed up to now. It is an exactly man of duty with its simple and understandable structure, fast and practical packaging unit and a price that everyone can afford easily. PERPETUAL, you dream, it already packages.



MODEL	PERPETUAL STD I	PERPETUAL STD II	PERPETUAL GO I	PERPETUAL GO II	PERPETUAL ULTIMATE I	PERPETUAL ULTIMATE II
LENGTH-A (mm)	8500	10500	8900	10300	7800	9000
WIDTH-B (mm)	3500	3400	3370	2420	2200	2680
HEIGHT-E (mm)	3400	3400	3720	3690	2800	2890
WHEEL TRACK WIDTH-F (mm)	-	-	1450	2130	1920	2120
PACKAGING CAPACITY (package/hour)	180 - 240	360 - 480	180 - 240	360 - 480	160 - 220	320 - 440
MAIZE SILAGE (ton/hour)	6	12	6	12	5	10
BEET PULP (COSSETTE)-(ton/hour)	9	18	9	18	7,5	15
GRAM MAKING WEIGHT (kg)	20 - 60	20 - 60	20 - 60	20 - 60	20 - 60	20 - 60
GRAM MAKING TOLERANCE (gr)	200 - 250	200 - 250	200 - 250	200 - 250	200 - 250	200 - 250
EMPTY WEIGHT (kg)	1100	2300	1800	2450	3150	4710
POWER REQUIREMENT (kw)	9	18	9	18	9	12
POWER REQUIREMENT (A)	18	36	18	36	18	24
POWER (phase)	3	3	3	3	3	3
VACUUM POWER (kw)	0.75	1.5	0.75	1.5	0.75	1.5
WHEEL SIZE	-	-	185/R14C	225/70/R15C	10.0/75-15.3	12,5/80-15.3
COMPRESSOR VOLUME (L)	300	500	300	500	300	500
AIR REQUIREMENT (Bar)	6 ~ 8	6 ~ 8	6 ~ 8	6 ~ 8	6 ~ 8	6 ~ 8
PACKAGE CLOSING	Hot Bonding	Hot Bonding	Hot Bonding	Hot Bonding	Hot Bonding	Hot Bonding
NUMBER OF LOADCELL	3	6	3	6	3	6
NUMBER OF STATION	1	2	1	2	1	2
DOSING	Standard	Standard	Standard	Standard	Standard	Standard
STAIR	Standard	Standard	Standard	Standard	Standard	Standard
FEEDING SYSTEM	Mixer + Conveyor	Mixer + Conveyor	Mixer + Conveyor	Mixer + Conveyor	Bunker	Bunker



PERPETUAL GOII



PERPETUAL I



PERPETUAL ULTIMATE I

WEIGHT VALUES GIVEN IN TABLE ARE FOR BASE MACHINE. MACHINE WEIGHTS MAY DIFFER DEPENDING ON OPTIONS.

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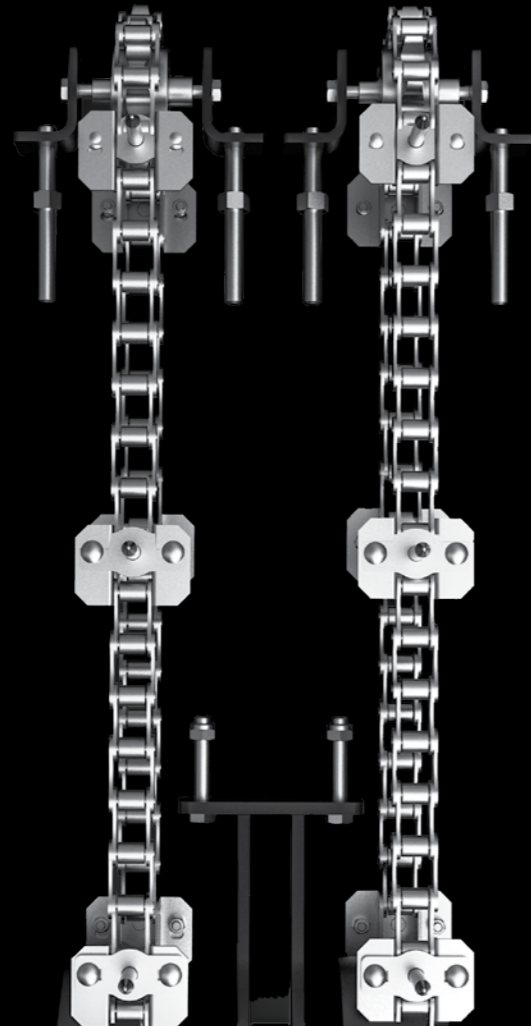
SMART & SIMPLE

CARRIER

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THE CHOICE OF PROFESSIONALS

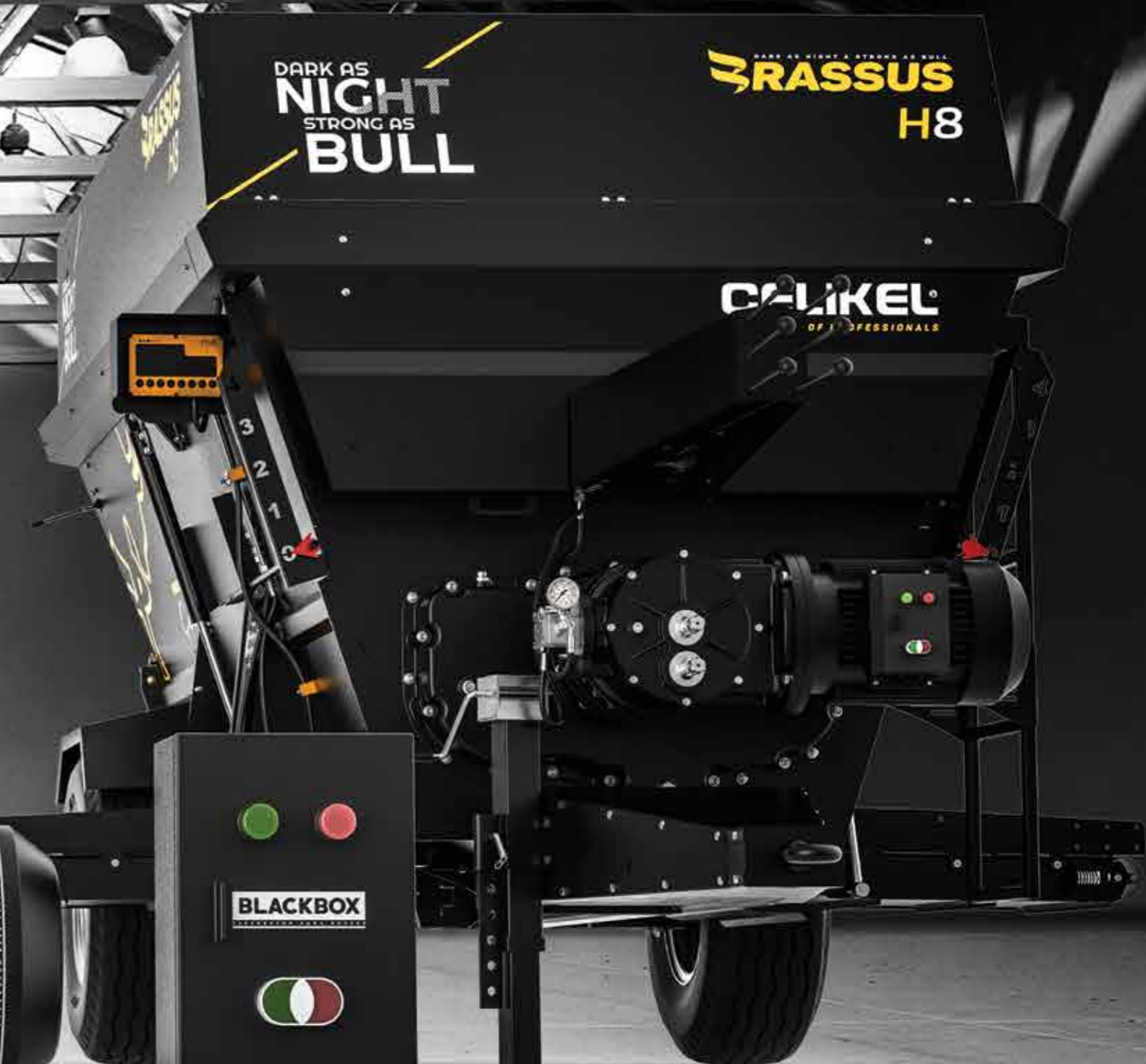
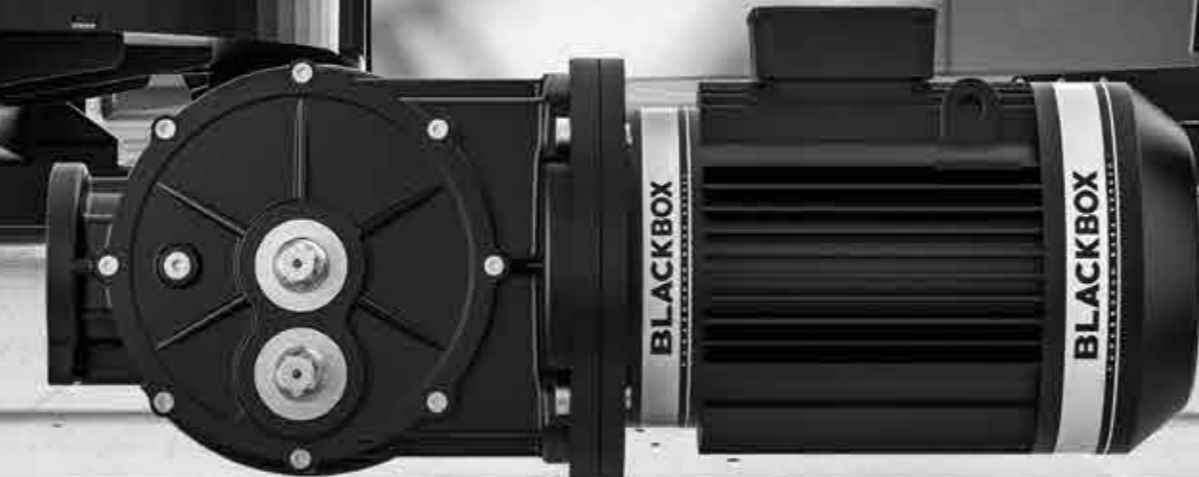
CARRIER

Carrier, Bale Loading Machine is a machine having been designed to realize process of being loaded bales left to field by being prepared by bale machines to vehicles such as trailer or truck, semi-trailer truck, etc. by being collected from field. Carrier bale loading machine having been taken under patent protection by being designed by Çelikel has capacity of loading 2500-3000 bales daily. Bale Loading Machine enables bale stowing up to 430 cm height via its hydraulic system. You will be able to arrange bales layer by layer by means of this attribute. Whatever direction and location of bales are, it can get all bales with two and three strings itself via direction unit located on machine. Therefore, there is no need for anyone to adjust bales or to insert bales to machine. Machine transmits bales that it takes to carrier chains via holder chains, the carrier chain transmits bale from the beginning side of the machine to inside trailer. Machine is connected to tractor via towing system, it can take position depending on work or way situation.



ATTRIBUTES	
WIDTH-B (mm)	1800
MAX. HEIGHT-E (mm)	4300
WEIGHT (kg)	480
POWER REQUIREMENT – PTO (hp)	30
WHEEL SIZE	4.50/10 KNK52
PTO SPEED (rpm)	540
NUMBER OF CARRIER CHAIN	1
NUMBER OF RECEIVER CHAIN	2
WORK CAPACITY* (12 Hours-Bale Quantity)	2500 - 3000

# BLACKBOX





## B L A C K      B O X O F            S A V I N G

It is very simple to convert your current feed mixer machine into a machine that saves with Blackbox..

Blackbox was developed by Çelikel R&D team to meet our farmers' saving expectations directed to feed mixer machines.

Blackbox is an electrical power transmission system that will increase our farmer's profitability and decrease fuel consumption up to 78%. You can use that system providing opportunity to be able to use feed mixer machines with electricity without separation from tractor for all the feed mixer machines without differentiating brand, model, you can gain profit.

While you gain profit in high proportion from fuel saving, you will decrease maintenance costs of your tractor as well during feed mixing and distribution process by means of Blackbox.

Blackbox promises you a system that makes you experience pleasure of saving, will regain you its low investment cost within a very short time such as a couple of month with six different engine choices.



Blackbox is presented as a system having been purified from handicaps and defects that current systems brought in the market and patented. 60 year Çelikel engineering lies behind this technology.

Blackbox can be assembled to all feed mixer machines with horizontal and vertical augers as brand and model independent.

Blackbox presents opportunity to use your machine both with tractor and electric engine. After you realize feed filling process via your tractor as before, you mix your feed by plugging your machine in the nearest electric connection point, after mixing process is completed you plug electric cable out from panel and you can service feed to your animals.

You buy a Blackbox as well and experience pleasure of saving.

# REAL FARMERS ARE RIDERS

manufactured by *Çelikel*



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