

# F E E D M I X E R S

The perfect harmony of design, engineering and style.

Çelikel® has been manufacturing CHARGER® Series in different capacities, ranging from 0,75 m³ to 52 m³ to meet the demands of all the businesses working in livestock industry. CHARGER® Series with vertical auger system comes forth with their chassis design and reservoir capacity. There is not a single thing impossible with more than 250 options and model with CHARGER®! Or were you expecting less of the leader?



# PROMISES

*Charger*

# D





# S H I V E R E D

# FEED MIXERS

COLLABORATIVE  
DESIGN OF TURKISH  
AND DUTCH ENGINEERS



While Çelikel® engineers are calculating the size of the machine, they don't take into account the area that auger takes inside the reservoir. Let's say you bought a 12m<sup>3</sup> feed

mixer from Çelikel, you will instantly realize that it is bigger than the size of its competitors. Remember, not everyone is as generous as Çelikel®.

# Charger

Feed mixer CHARGER® will execute all sorts of feeding processes without a necessity of a precutting. CHARGER® auger system will make it easy to mix stringy and all kinds of feed components. As a result you will get homogeneous, high

quality mixed feed ration. A homogeneous mix is the best product for nutritional needs of the animals as well as for their feeding behaviour which results in their growth. Charger® promises to increase the wellbeing of your animals.



At Celikel we are convinced that the only way to reach perfection is through the harmony of the unique parts. That is why Çelikel® prefers to use Brevini transmission systems for our machines

The augers are specially designed in such a way that they allow you to get the most homogeneous mixture in the shortest time possible. The size of chopping feed is regulated by fixed knives. On request, these knives can be made hydraulically controlled.



# FEED MIXERS



## ■ ELECTRICITY ENGINE

One of the things we needed to provide CHARGER with was to adapt BLACKBOX to vertical mixers, so we did it. Now with BLACKBOX® reducing the fuel can save up to 75% costs.

## ■ DISCHARGE COVER

Thanks to its symmetrical design and the fact that discharge covers and conveyors can be mounted on both sides, feed discharging process can be done in one go on both sides.

## ■ WIDE TREAD TYRES

Çelikel® uses innovative tires that provide high resistance to the most challenging road conditions. Due to the high load capacity, strength and resistance to soil compaction, our machines demonstrate flawless performance even in the most difficult conditions.



## CHARGER MICRO SERIES DESIGNED ESPECIALLY FOR SMALL AND MIDDLE SCALE BUSINESSES.

Charger Micro Series can be the solution of every business with different capacity options. Micro Series is an expert at mixing coarse and concentrate feed. It offers mixing homogeneous and high quality rations thanks to its capacity based auger systems.



### ■ FIXED KNIFE

Cutting sizes of the feeds are being done by the fixed knives. Optionally these fixed knives can be manufactured hydraulically controlled.

### ■ REINFORCED CHASSIS

Charger®'s innovative chassis is one of the many features which makes the machine to stand out. The chassis reinforced with special load cells, long life span, high resistance against twists and sensitive weighing even in rough terrains will add so much to your machine.

### ■ LOADING BUCKET

Loading bucket whose patent belongs to Çelikel® was designed to make Charger Micro® Series more functional. With forklift like vertical working principle it is safe and fast to put materials in the reservoir.



# FEED MIXERS



## ■ LOADING BUCKET

Large capacity loading buckets designed for high capacity Charger® series is developed exclusively for your convenience in reaching and loading without getting exhausted. In every move of Charger®'s loading bucket towards the reservoir you will see flawless material flow into it.

## ■ INDEPENDENT HYDRAULIC SYSTEM

Independent hydraulic system makes it possible to use the machine's hydraulic components without the requirement of tractor's oil pressure. This detail will save you fuel and time.

## ■ TWO SHIFT TRANSMISSION

Thanks to the two shift transmission system, according to the capacity of the machine you may choose the appropriate shift and thus make your tractor at ease you will save fuel and more importantly save time.



# Charger



## ■ CONVEYOR

Thanks to its flexible design Charger® V offers you alternative discharge options. One of the discharge options the machine has will be the solution for you depending on your farm's structure and discharging conditions.

## ■ REINFORCED RESERVOIR

Floor plate is made of 8 mm thick S355 sheet metal to make it last longer, stronger and rigider. In the floor plate metal grid system is used to provide endurance.

## ■ REINFORCED CHASSIS

The chassis made of S355 steel material attached to the scissors on appropriate points to gain strength, is built on a strong axle. High load capacity chassis is resistant against wear and twist.





# FEED MIXERS

If you want to prepare a huge amount of mixed feed ration with spending little energy, you came to the right place. While Charger V Tesla® provides a huge amount of feeding programs in the shortest amount of time, it is generous in production.

With its special weighing system and planning options, it is the most affordable way of preparing rations for big-scale businesses.

Charger V Tesla® is the choice of professionals with capacities ranging from 16 m<sup>3</sup> to 55 m<sup>3</sup>.

Besides having a long life span with the thickness of floor plate and side walls, CHARGER V® series is the most affordable solution to prepare feed mixed rations with its unique auger design.



## ■ FIXED KNIVES

With Charger®'s fixed knives you may adjust the sizes of feeds. Optionally these fixed knives can be hydraulically controlled.



## ■ TRANSMISSION

At Çelikel® we are convinced that the only way to reach perfection is through the harmony of the unique parts. That is why Çelikel® prefers to use Brevini transmission systems for our machines



## ■ SENSITIVE WEIGHING SYSTEM

You will be able to get the desired ration you wish with ease thanks to the sensitive weighing system and thus you may be able to reduce the storage spendings to minimum.



**PRESENTING: THE NEWEST  
MEMBER OF CHARGER FAMILY  
TESLA®**

The most important point in feed mixing is that the materials inside the machine should be mixed in a homogeneous way. By this way the amount of the feed served to animals from start to finish will be distributed evenly.



■ **INVERTOR**

In many of the feed mixers if there are cases like power outage or compaction, to be able to start the machine again all the feed inside the machine should be discharged before the restart. Thanks to the invertor system used by Çelikel® such cases can be resolved quite easily.



■ **OVERFLOOD  
PREVENTION FRAME**

Overflowing material during feed mixing process can cause financial issues and may prevent the ration from being homogeneous. In Çelikel® machinery overflow prevention frame is given to the user by default.



■ **Z CONVEYOR**

Designed to conveniently transfer prepared rations to trucks or trailers, the Z conveyor will serve you for years to come, thanks to its low energy consumption and high-strength carrier chains.



CHARGER

	16m³	18m³	20m³	22m³	16m³ STATIONARY	18m³ STATIONARY	20m³ STATIONARY	22m³ STATIONARY
Length- ( A )	7600 mm	7600 mm	7600 mm	7890 mm	7600 mm	7600 mm	7600 mm	7890 mm
Width- ( B )	2225 mm	2225 mm	2225 mm	2225 mm	2225 mm	2225 mm	2225 mm	2225 mm
Height- ( C )	2525 mm	2600 mm	2735 mm	2800 mm	2525 mm	2600 mm	2735 mm	2800 mm
Maximum Loaded Weight	11100 Kg	12000 Kg	12700 Kg	13350 Kg	11100 Kg	12000 Kg	12700 Kg	13350 Kg
Empty Weight	6250 Kg	6500 Kg	6690 Kg	6725 Kg	6250 Kg	6500 Kg	6690 Kg	6725 Kg
PTO Speed	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm
WHEEL Size	4 x 215/70/R17.5	4 x 215/70/R17.5	4 x 215/70/R17.5	4 x 215/70/R17.5	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	90 Hp	95 Hp	110 Hp	110 Hp	90 Hp	95 Hp	110 Hp	110 Hp
Weighing System Load Cell Number	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs
Auger Knife Number	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs	2 x 6 Pcs
Fixed Knife Number	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs
Ladder	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Front Discharge Cover	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Back Discharge Cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Right Cross Discharge Cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Right Front Cross and Left Front Cross	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Discharge Covers	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Bagging Kit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weighing System	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Loading Bucket System	-	-	-	-	-	-	-	-
Electricity Engine	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Double Speed (Shift) Reductor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Discharge Cover	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Independent Hydraulic System	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Conveyor Band	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Magnet	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Tractor Mount Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type
Axle System with Brakes	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Warning Light	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Marker Lamps	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

1m³ FEED = 300 KG (60% OF THE RATION CONTENT IS CALCULATED AS HIGH QUALITY COARSE FODDER.) WEIGHT OF THE MACHINE MAY VARY ACCORDING TO THE OPTIONS CHOSEN. ÇELİKEL TARIM LTD. ŞTİ. KEEPS CHANGING OF TECHNICAL VALUE RIGHTS RESERVED



CHARGER MICRO			0.75m³	2m³/v1 (TOW TYPE)	2m³/v2 (STATIONARY)	2m³/v3 (STATIONARY)	2m³/41 (TOW TYPE)	3m³	4m³	5m³	6m³	8m³	10m³	12m³	14m³
Length- ( A )			1500 mm	3875 mm	2070 mm	1960 mm	3875 mm	4485 mm	4485 mm	4810 mm	4810 mm	5200 mm	5200 mm	5200 mm	5200 mm
Width- ( B )			1500 mm	1680 mm	1920 mm	1450 mm	1800 mm	1850 mm	1850 mm	2115 mm	2115 mm	2300 mm	2300 mm	2300 mm	2300 mm
Height- ( C )			1490 mm	1750 mm	1640 mm	1640 mm	1750 mm	2000 mm	2350 mm	2235 mm	2500 mm	2400 mm	2720 mm	3000 mm	3280 mm
Maximum Loaded Weight			605 Kg	1570 Kg	1260 Kg	1170 Kg	1640 Kg	2140 Kg	2520 Kg	3100 Kg	3540 Kg	6785 Kg	7720 Kg	8655 Kg	9590 Kg
Empty Weight			380 Kg	970 Kg	660 Kg	570 Kg	1040 Kg	1240 Kg	1320 Kg	1600 Kg	1740 Kg	4385 Kg	4720 Kg	5055 Kg	5400 Kg
PTO Speed			540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm
Wheel Sizes			4 x ( M131-121-150 )	2 x 185R14C	-	-	2 x 185R14C	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 Requirements			220V-3kW/4Hp	35Hp	380 V - 7.5kW/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			Electricity + PTO	PTO	Electricity + PTO	PTO	Electricity + PTO	PTO	PTO	PTO	PTO	PTO	PTO	PTO	PTO
Weighing System Load Cell Number			-	-	-	-	-	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs	3 Pcs
Auger Knife Number			4 Pcs	5 Pcs	5 Pcs	5 Pcs	5 Pcs	6 Pcs	6 Pcs	7 Pcs	7 Pcs	6 Pcs	6 Pcs	6 Pcs	6 Pcs
Fixed Knife Number			-	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs	2 Pcs
Ladder			-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
Right Side Discharge Cover			Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Optional
Left Side Discharge Cover			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Front Discharge Cover			-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
Back Discharge Cover			-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
Right and Left Side Discharge Cover			-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Right Cross Discharge Cover			-	-	-	-	-	-	-	-	-	Standard	Standard	Standard	Standard
Right Front Cross and Left Front Cross			-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
Discharge Cover			-	-	-	-	-	-	-	-	-	Optional	Optional	Optional	Optional
Bagging Kit			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weighing System			-	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Loading Bucket System			-	Optional	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Electric Engine			Standard	-	Standard	-	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Discharge Cover			Manual	Hydraulic	Manual	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Independent Hydraulic			-	Optional	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Conveyor Band			-	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Magnet			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Tractor Mount Type			3 points	Tow Type	3 points linkage system + Stationary type	3 points linkage system + Stationary type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type	Tow Type
Warning Light			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Marker Lamps			-	-	-	-	-	-	-	-	-	Standard	Standard	Optional	Optional