

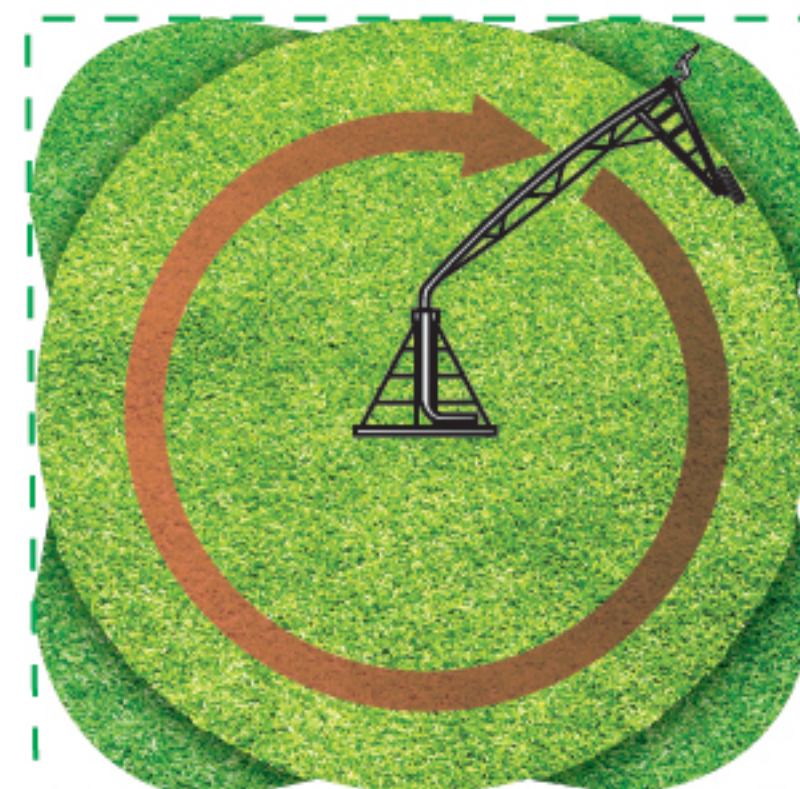


**RAINFINE**<sup>®</sup>  
CANADA

**IRRIGATION SERVICE**







■ Extra area covered by end gun.  
■ Area covered by pivot.

innovation in irrigation™  
**NELSON** [Nelson-SR]



**komet** [Twin101/ULTRA]



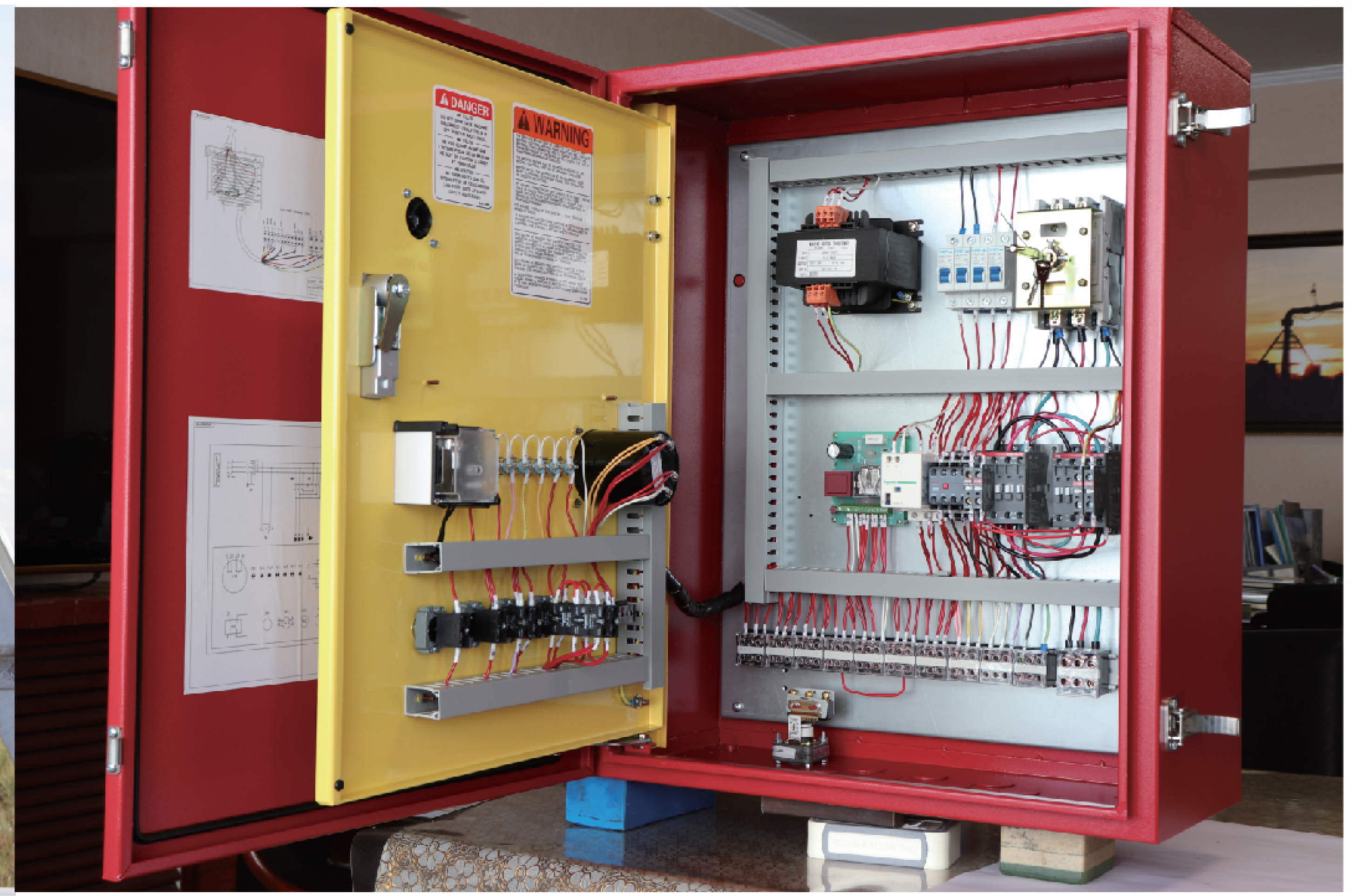
**Senninger®**



**Nelson®**







## Main Panel

- Forward and reverse
- Wet and dry
- Booster pump & End gun On/Off
- Auto stop/Reverse option
- Power 480v/380v option
- Lightning arrestor
- Low water pressure shut off
- Safety circuit status
- Emergency stop



Std. Collector Ring



Standard tower box



Next - last tower box



Last tower box





# RNPT (Rubber Non-Pneumatic Tire)

## Why RNPT

### Never flat

The rubber segment design eliminates flat tires caused by rot, puncture, or other air leakage.

### Safe

Prevents any possible overwatering caused by flats.

### Save time & Money

Reduce down time that leads to irrigation deficits which are particularly costly during the peak season.

### Easy replacement

The damaged segment can be replaced easily by putting a new one on it.



Directional (D)



Non-directional(ND)

## WHAT IS RNPT (Rubber Non-Pneumatic Tire)

Segments are made by high quality rubber.

Highest UV production material added.

10"x 38" standard galvanized rim.

Universal exchangeable rim to all brands.

Self-Cleaning tread pattern.

Wider tread for less intensity of pressure and better floatation.

Tread design offers great traction without being too aggressive.

Equivalent with the size of 14.9 x 24 pneumatic tires

## Standard Non-pneumatic tire

Independent 16 segments for easy replacement

Configurable segments offer Directional (D) or Non-directional(ND)

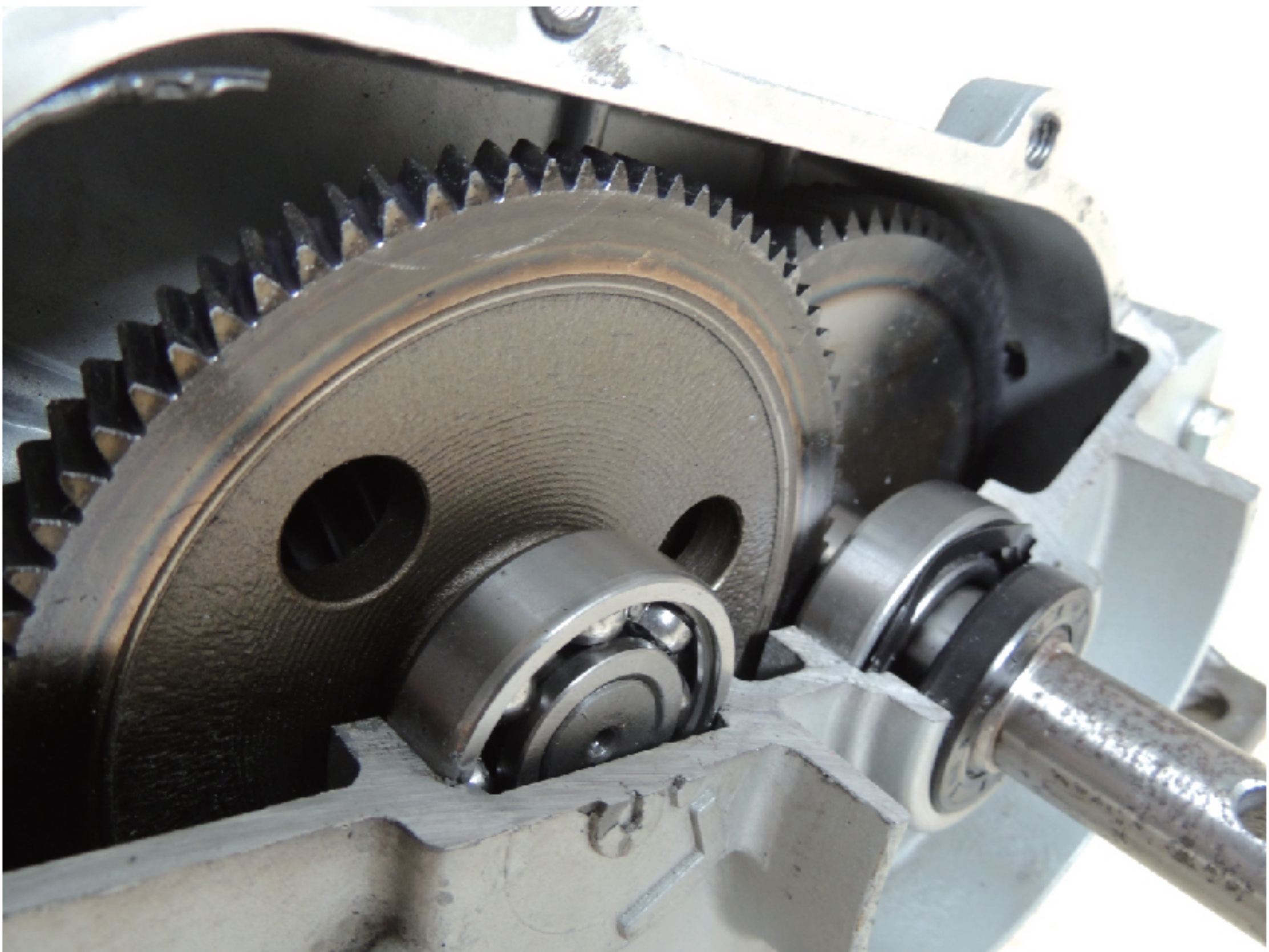
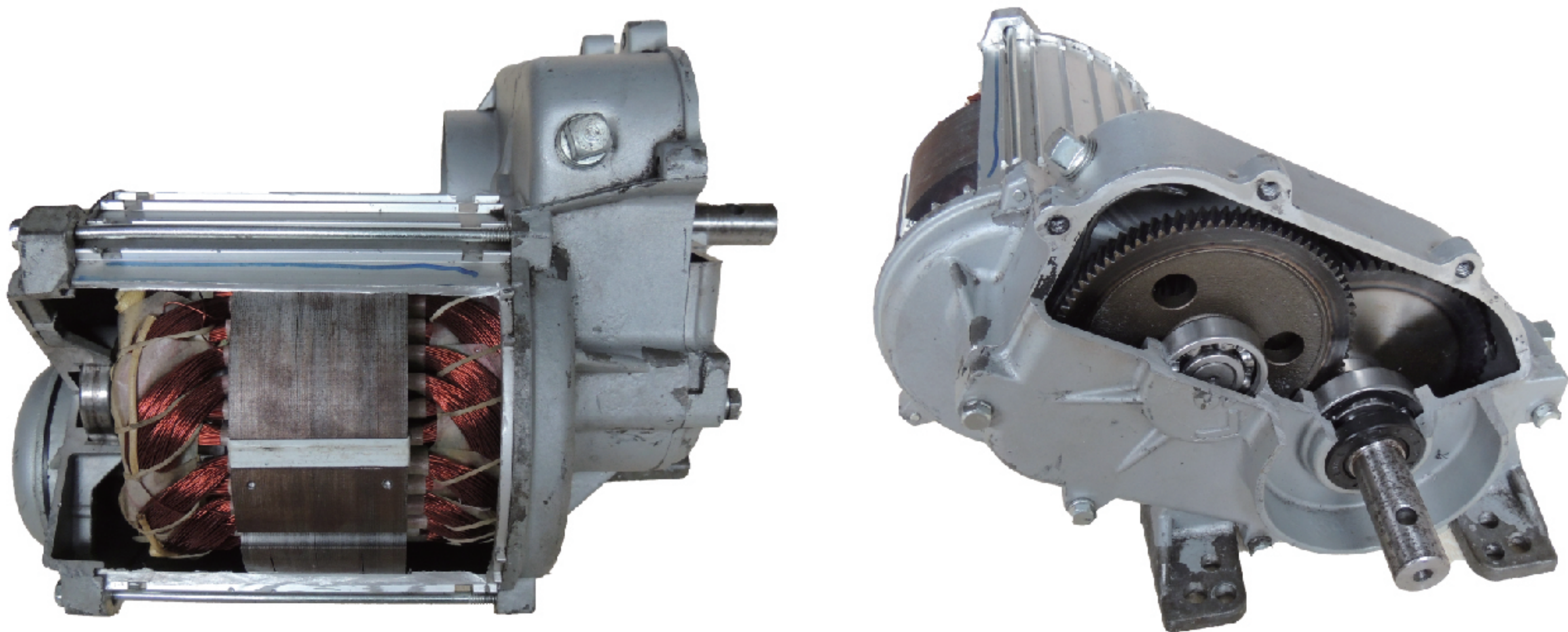
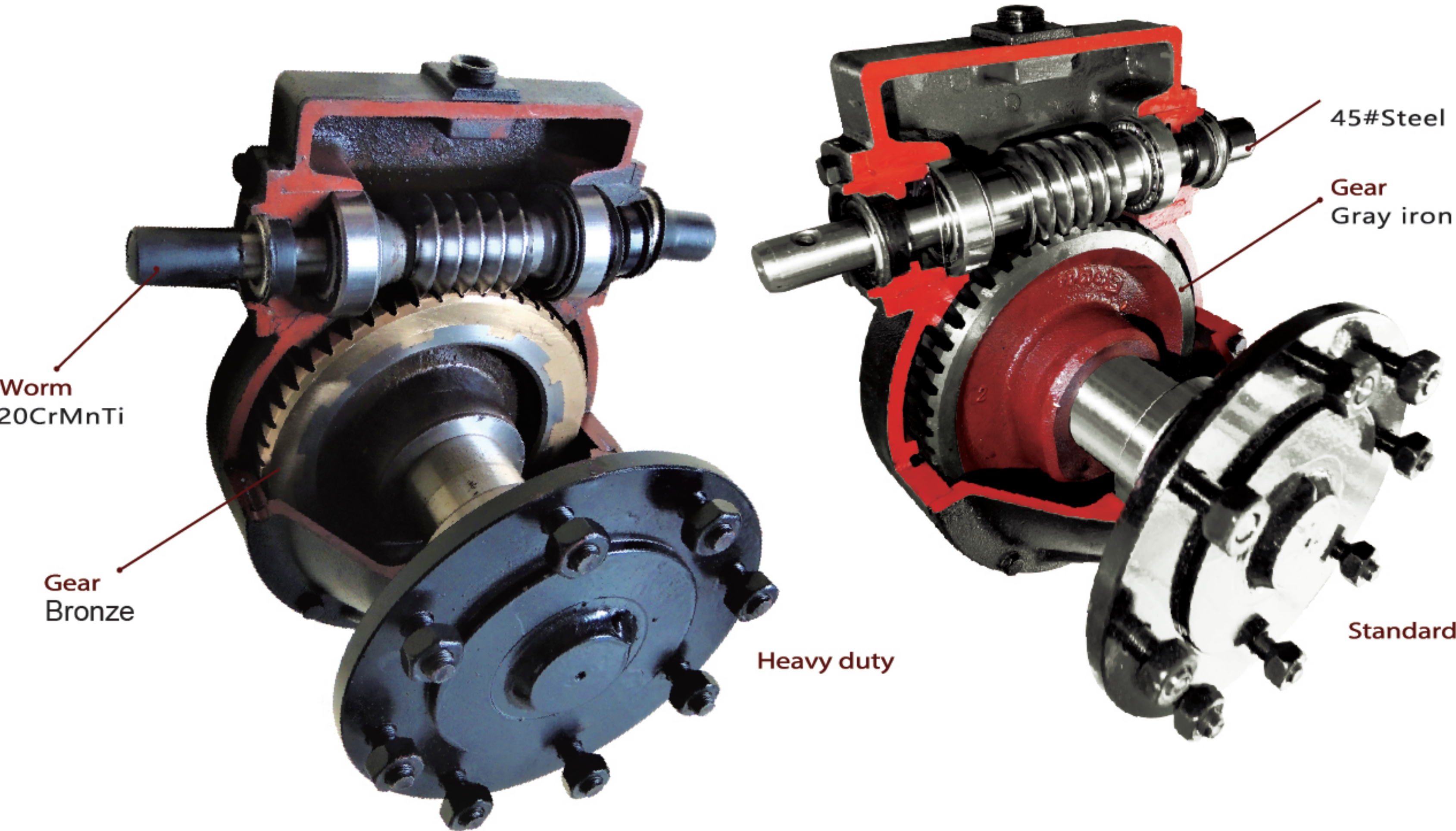
Wt/tire: (KG)	125
Qty/Pallet (Pcs)	4
Size/Pallet (mm)	1,100 x1,100,1,300
Weight/Pallet (KG)	534
Qty/40'HC	37 Pallets(148 tires)
Wt /40'HC(KG)	19,758



# Center Drive & Gear Box



## Heavy duty VS Standard



## Center drive speeds on 60Hz/480V

Motor	Drive speed in 60 Hz (RPM/60Hz)	RATIO	Wheel speed (RPM)	Tire size	Tire perimeter	Speed at 100% timer
a.	43 RPM	40:1	0.86	11.2x38 14.9x24 16.9x 24	4.42m 3.60m 3.81m	228m/h 186m/h 196m/h
b.	57 RPM	40:1	1.14	11.2x38 14.9x24 16.9x 24	4.42m 3.60m 3.81m	302m/h 246m/h 260m/h
c.	68 RPM	25:1	1.36	14.9x24 16.9x 24	3.60m 3.81m	293m/h 310m/h





**NITRO  
PIVOT™**

1.5 hours/circle  
on **400 M**  
**center pivot**

Nitro Pivot- fastest pivot ever in  
the world



video

- a. 1.5 hours /circle on 7 spans pivot
- b. constant move instead of start-stop move.
- c. Pivot can be used to apply herbicide, insecticide and fungicides
- d. No more airplane chemical spray needed
- e. No more ground chemical boom spray needed
- f. This is the greatest innovation- change the way of chemical spray in agriculture
- g. Much saving time and money, and much easier operation for farmers



Patented VFD tower boxes -drive pivot constant move instead of start-stop move



30" spacing outlets design, much better uniformity liquid application.



Center drive 3.5 hp/10:1- drive pivot wheels maximum speed 7.2 RPM .



# Corrosion Protected Center Pivot - Can be used for 50 years



## Polyline pipes



Pipe 6 5/8"



Gasket + rubber ring

## polyline joints



Joint pivot end



Joint tower end

## Stainless steel joints



joint tower end



joint pivot end



joint last tower

- Farmers can choose stainless steel or polyline pivot joints as options.
- Special polyline material is stable in hot or cold weather.
- Maximum inner diameter of pipe with only 2.5mm thickness poly lined.
- Stainless steel outlet is designed curved with rubber seal inside the pipe wall.
- Gasket + rubber ring has the best seal between the pipes.
- Both polyline joints and stainless steel joints are available as options





## Mr. Boyd Derdall

Boyd has been in the irrigation business since 1981, as founder and CEO of the company Rain Maker Irrigation, which sold the Zimmatic line of irrigation equipment. In addition to local sales he was also involved in several international ventures. He made several trips to Iran, including one as an irrigation representative with the government of Canada on a trade mission.

### Contact :

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He has been involved in some overseas projects such as the Great Man Made River Project in Libya, as well as two Canadian government projects. One involved the design, sales and installation of a pivot in the Abu Simbel area of Egypt and the other was the design, sales and installation of two pivots and two travelling guns, mainline, pumps etc. in the Khandahar area of Afghanistan. After 33 years he sold his business but continued working for the purchaser for an additional 2 years. After retirement he was hired by local Chinese to give presentations on irrigation in China, where he has travelled on two occasions. He is currently working for Rainfine Irrigation Company as their representative in Canada