

**PULSE<sup>®</sup>Electronic**

# CHECKWEIGHER



PULS.COM.TR



# **P**<sup>®</sup>**ULSE Electronic**

The industry's firm, an expert in the field of industrial electronics, is bringing this power to the rest of the globe by making a difference with its innovative structure, R&D power, and experience.

Designed, manufactured and assembled by Puls Elektronik, PULS CHECKWEIGHER controls the weight of each pre-packaged product, from the smallest dimensions up to 60 kg, with high precision. As a result of the weighing, the products that comply with the recipe values entered in the Operator Panel pass through the output conveyor, and the products outside these values are rejected

In our Checkweigher models, there are three optional rejects mechanisms.

1. **Push out by pneumatic cylinder (relatively heavy materials)**
2. **Push out by air knives (relatively light materials)**
3. **Reject by padles (gentle handling)**

This data can also be used for reporting purposes as measurement results are recorded continuously.

The checkweigher models have three conveyors typically.  
(Input - Weighing - (Reject) Output)

The reason for this is that materials of small size and weight move quickly on the belt, requiring the product distances entering the weighing belt to be modified. The checkweigher automation makes this adjustment by continually regulating the input band's speed. Even if the products arrive very quickly, this ensures that they enter the weighing band one by one.

Puls Elektronik invented the **"Aerosol Type Rotary Checkweigher"** for aerosol lines in the Chemical, Pharmaceutical, and Cosmetic industries. It is a model for high precision round type goods that it designs, manufactures, and assembles entirely in Germany. It can easily be integrated into an existing production line without requiring any changes. With the technique commonly employed in aerosol production lines, the filling control of each bottle is very practical. Molds for existing product sizes can be quickly swapped out and used with a single system.

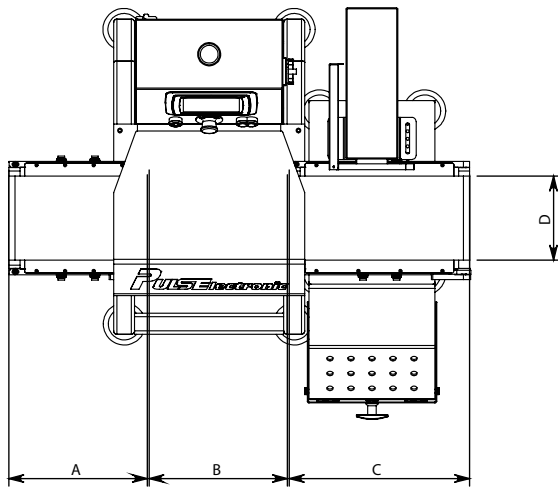
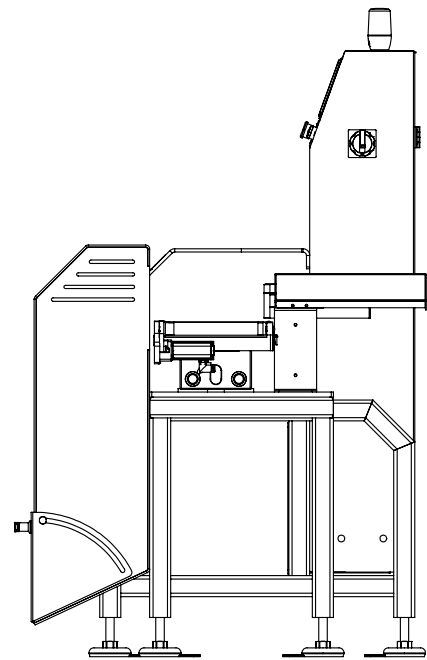
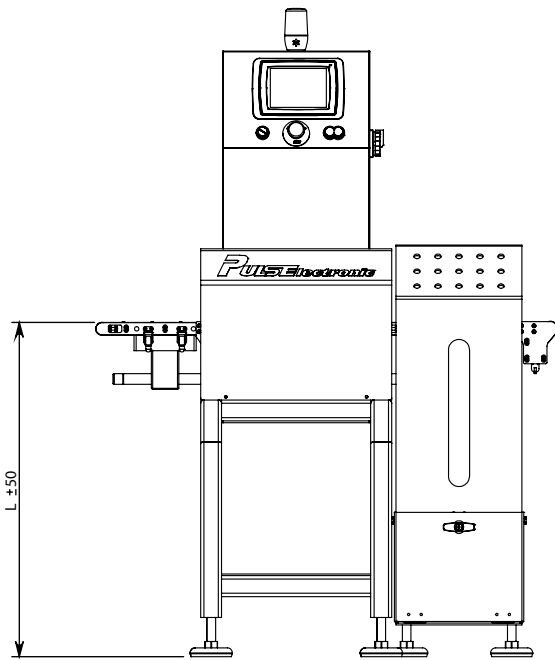
It is suitable for enterprise quality and production reporting departments due to its quick installation and user-friendly interface.

Food, chemistry, cosmetics, pharmaceuticals, and other industries are examples of common application fields.

Please contact us if you have a requirement that is not covered by the catalog values. The goods are completely designed and manufactured by PULS Engineers. Our engineers will produce the best design for you if you have a unique application.

# PCW1 CHECKWEIGHER TECHNICAL DRAWING

PULS.COM.TR



## TECHNICAL EXPLANATION

- A: **ROLLER CENTERS, INFED CONVEYOR**
- B: **ROLLER CENTERS, WEIGHING CONVEYOR**
- C: **ROLLER CENTERS, OUTFEED CONVEYOR**
- D: **BELT WIDTH**
- L: **MACHINE HEIGHT**



# PCW 1 CHECKWEIGHER PROPERTIES

WEIGHING RANGE : **0 to 600 gr**

DIVISION : **0,1 gr**

ACCURACY : **0,2 gr**

SPEED : **250 pcs./min.**

ROLLER CENTERS, INFEEED CONVEYOR ( LENGHT) : **200 - 300 - 400 mm**

ROLLER CENTERS, WEIGHING CONVEYOR ( LENGHT) : **200 - 300 - 400 mm**

ROLLER CENTERS, OUTFEED CONVEYOR ( LENGHT) : **300 - 400 mm**

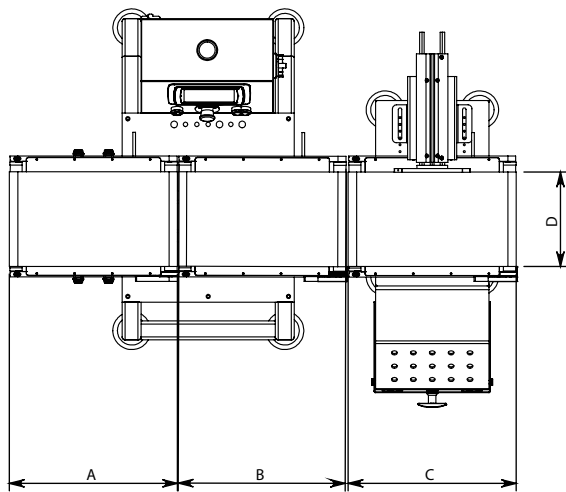
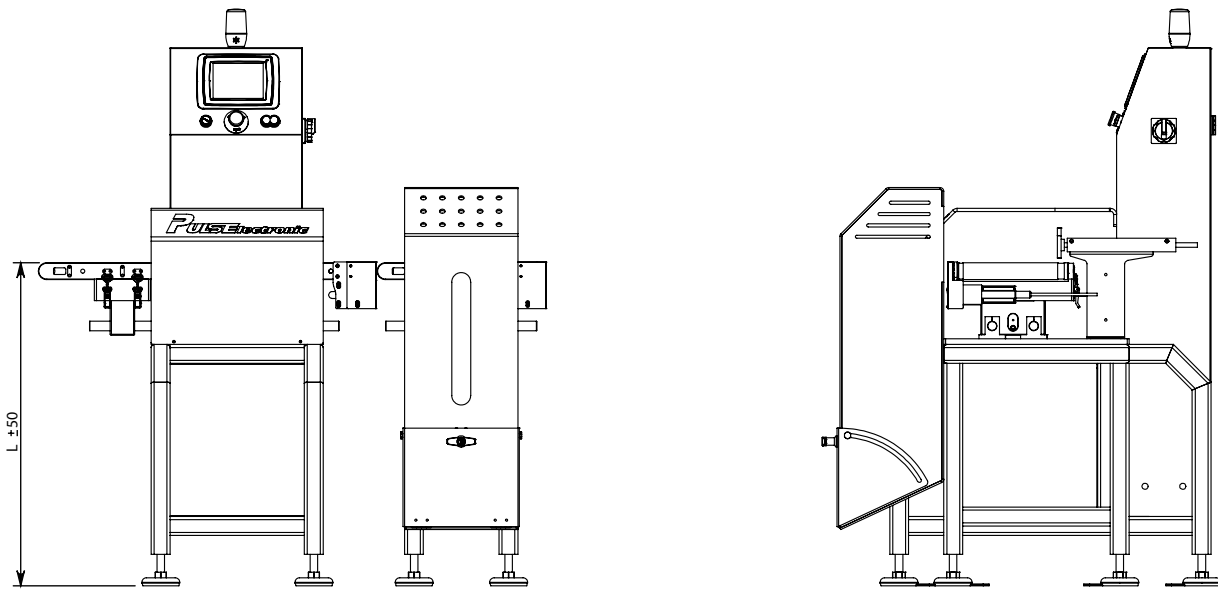
CONVEYOR (WIDTH) : **100 - 150 - 200 mm**

REJECT DEVICE : **Air Jet or Pusher**



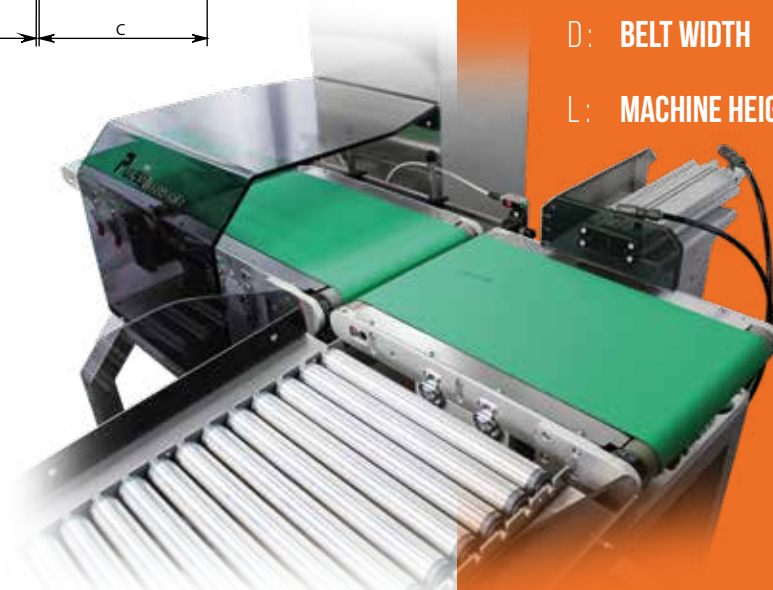
# PCW2 CHECKWEIGHER TECHNICAL DRAWING

PULS.COM.TR



## TECHNICAL EXPLANATION

- A: **ROLLER CENTERS, INFED CONVEYOR**
- B: **ROLLER CENTERS, WEIGHING CONVEYOR**
- C: **ROLLER CENTERS, OUTFEED CONVEYOR**
- D: **BELT WIDTH**
- L: **MACHINE HEIGHT**



\*\*\*All rights reserved to PULS ELEKTRONIK SISTEMLERI MAK.SAN.TIC.A.S. and could not be copied.  
Our Company reserves the right to make modifications to dimensions, specifications and desing without notice.

# PCW 2 CHECKWEIGHER PROPERTIES



WEIGHING RANGE : **0 to 6000 gr**

DIVISION : **0,2 gr**

ACCURACY : **0,5 gr**

SPEED : **150 pcs./min.**

ROLLER CENTERS, INFEED CONVEYOR ( LENGTH) : **300 - 400 - 500 mm**

ROLLER CENTERS, WEIGHING CONVEYOR ( LENGTH) : **300 - 400 - 500 mm**

ROLLER CENTERS, OUTFEED CONVEYOR ( LENGTH) : **300 - 400 - 500 mm**

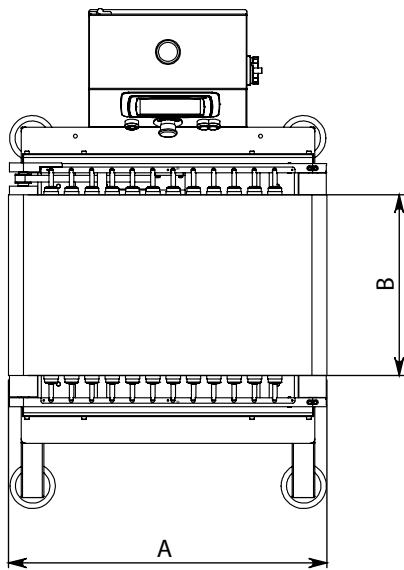
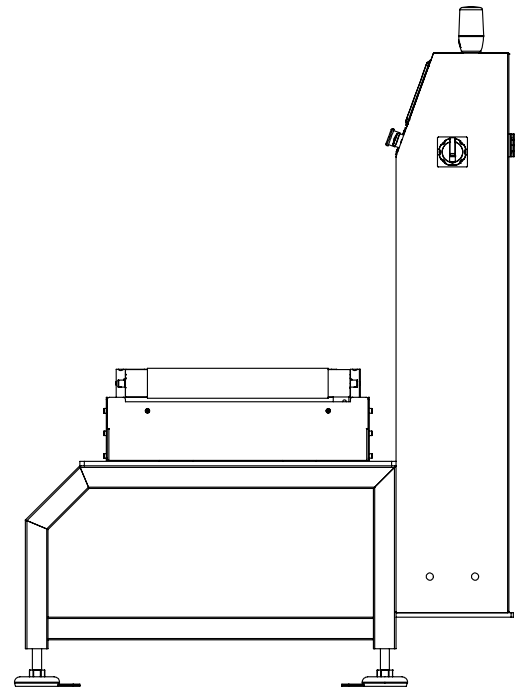
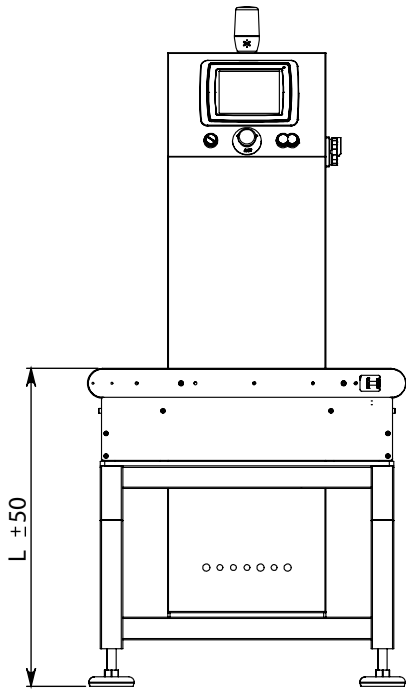
CONVEYOR (WIDTH) : **250 - 300 - 400 mm**

REJECT DEVICE : **Pusher**



# PCW 3 CHECKWEIGHER TECHNICAL DRAWING

PULS.COM.TR



## TECHNICAL EXPLANATION

A: ROLLER CENTERS, WEIGHING CONVEYOR

B: BELT WIDTH

L: MACHINE HEIGHT



ROLLER CENTERS, INFED  
AND OUTFEED CONVEYOR  
( OPTIONAL )



# PCW 3 CHECKWEIGHER PROPERTIES

WEIGHING RANGE : **0 to 60 kg**

DIVISION : **2 gr**

ACCURACY : **5 gr**

SPEED : **75 pcs./min.**

WEIGHING CONVEYOR ( LENGTH) : **600 - 800 - 1000 - 1200 mm**

CONVEYOR (WIDTH) : **400 - 500 - 600 mm**

ROLLER CENTERS, INFEEED CONVEYOR : **OPTIONAL**

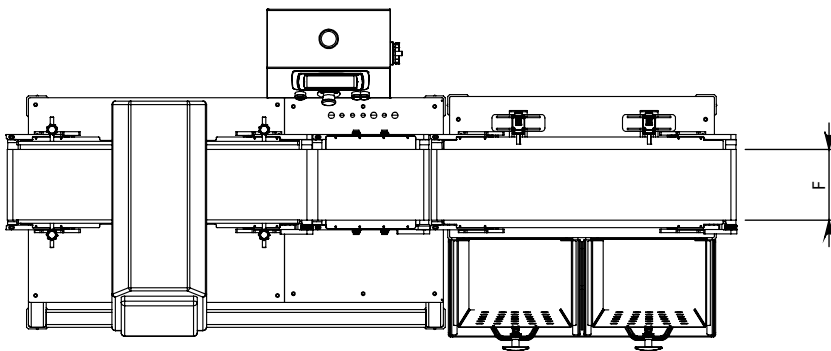
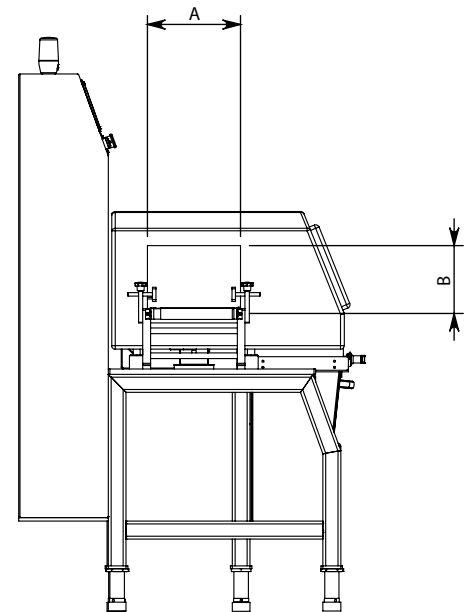
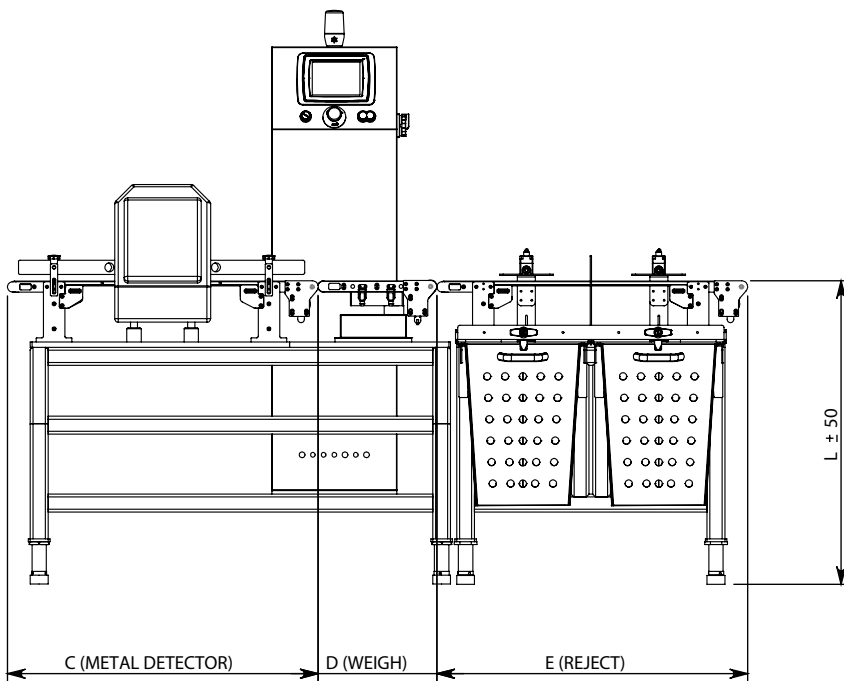
ROLLER CENTERS, OUTFEED CONVEYOR : **OPTIONAL**

REJECT DEVICE : **OPTIONAL**



# CHECKWEIGHER COMBO TECHNICAL DRAWING

PULS.COM.T.R



## TECHNICAL EXPLANATION

- A: METAL DEECTOR WIDTH
- B: METAL DEECTOR HEIGHT
- C: METAL DEECTOR, WEIGHING CONVEYOR
- D: ROLLER CENTERS, WEIGHING CONVEYOR
- E: REJECT UNITS WIDTH
- F: BELT WIDTH
- L: MACHINE HEIGHT



\*\*\*All rights reserved to PULS ELEKTRONIK SISTEMLERI MAK.SAN.TIC.A.S. and could not be copied. Our Company reserves the right to make modifications to dimensions, specifications and desing without notice.

# CHECKWEIGHER COMBO PROPERTIES

WEIGHING RANGE : **0 to 60 kg**

DIVISION : **0,1 gr to 2 gr**

ACCURACY : **0,2 gr to 5 gr**

SPEED : **75 to 250 pcs./min.**

ROLLER CENTERS, WEIGHING CONVEYOR : **200 to 1200 mm**

CONVEYOR (WIDTH) : **100 to 600 mm**

ROLLER CENTERS, INFEEED CONVEYOR : **OPTIONAL**

ROLLER CENTERS, OUTFEED CONVEYOR : **OPTIONAL**

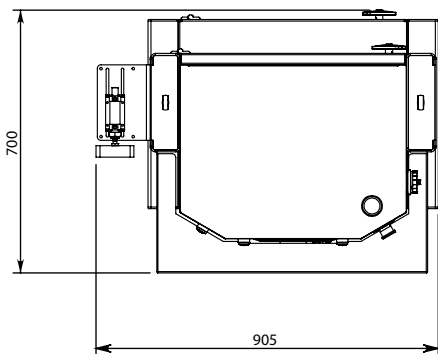
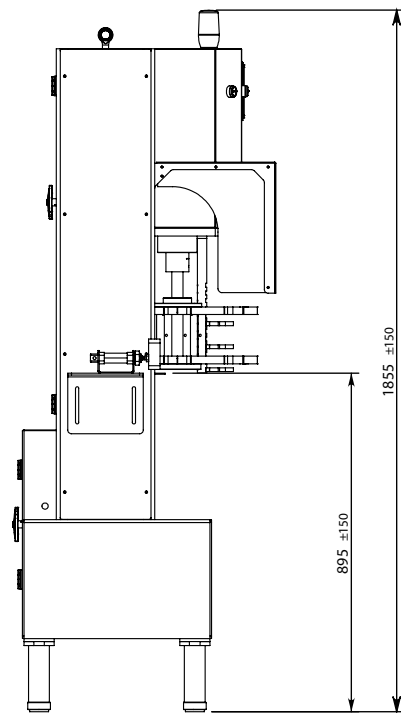
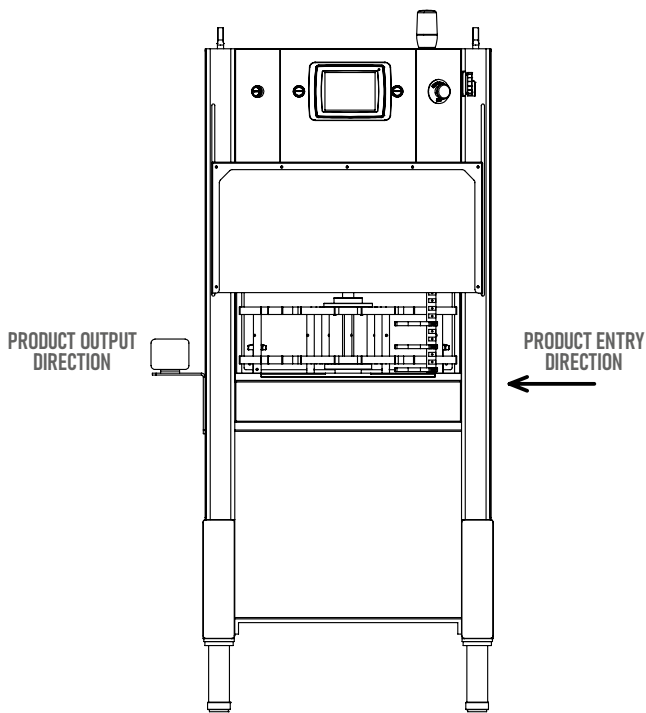
WEIGHING REJECT DEVICE : **OPTIONAL**

METAL DEDECTOR REJECT : **OPTIONAL**



# AEROSOL CHECKWEIGHER TECHNICAL DRAWING

PULS.COM.TR



\*\*\*All rights reserved to PULS ELEKTRONIK SISTEMLERI MAK.SAN.TIC.A.S. and could not be copied. Our Company reserves the right to make modifications to dimensions, specifications and desing without notice.

# AEROSOL CHECKWEIGHER PROPERTIES

**SAFE WEIGHING IN  
EX ZONES**



WEIGHING RANGE : **5 gr to 1000 kg**

DIVISION : **0,1 gr**

ACCURACY : **0,2 gr**

SPEED : **240 pcs./min.**

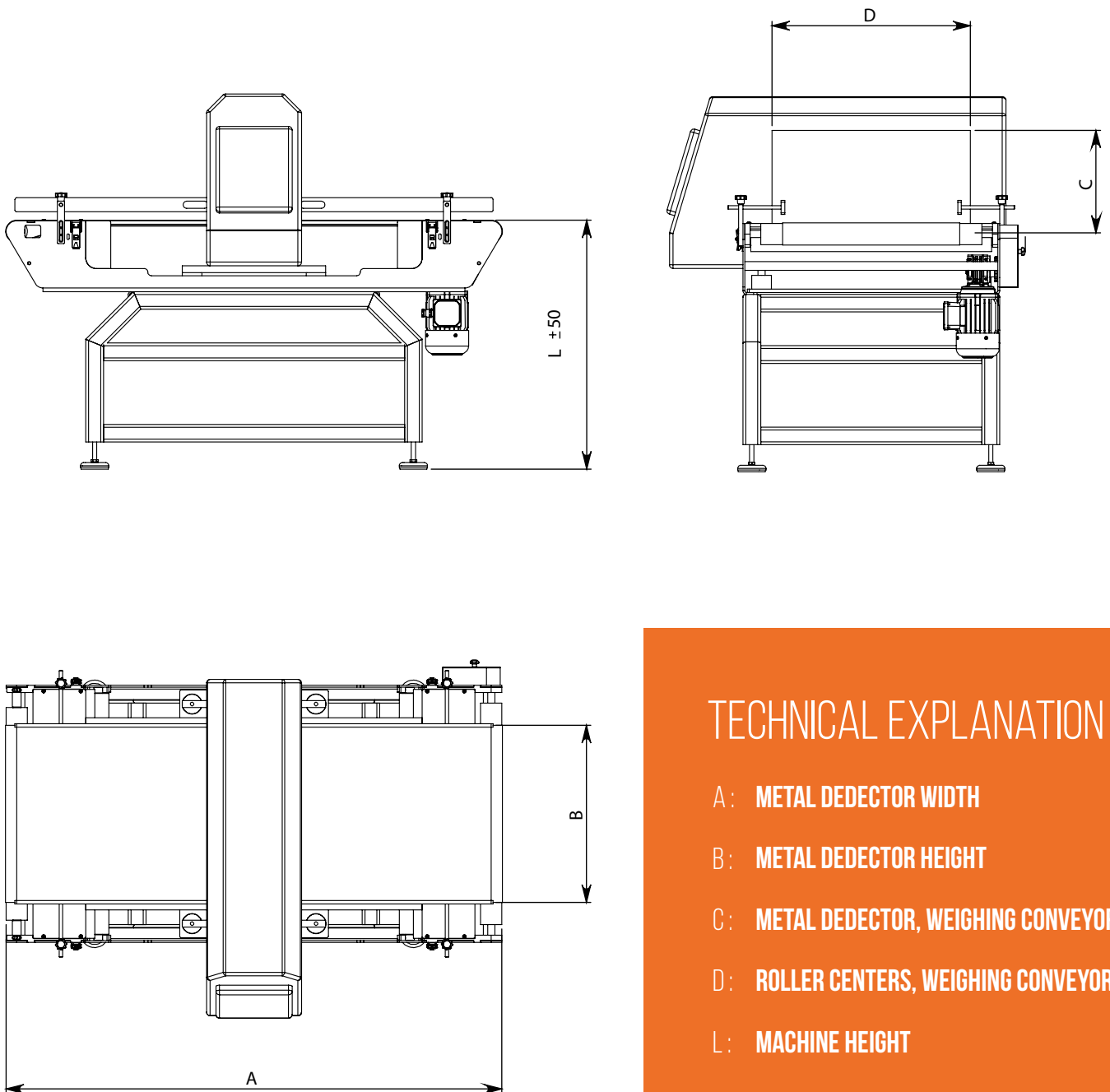
STANDART STAR DIMENTIONS : **Ø35 , Ø45 , Ø52 , Ø57 , Ø65 mm**

REJECT SYSTEM : **PNOMATIC CYLINDER, AIR JET**



# METAL DEDECTOR TECHNICAL DRAWING

PULS.COM.T.R



## TECHNICAL EXPLANATION

- A: METAL DEDECTOR WIDTH
- B: METAL DEDECTOR HEIGHT
- C: METAL DEDECTOR, WEIGHING CONVEYOR
- D: ROLLER CENTERS, WEIGHING CONVEYOR
- L: MACHINE HEIGHT

# METAL DEDECTOR PROPERTIES

## DIMENSIONS LIST

## PRECISION

STANDARD	HEIGHT (effective)	WIDTH (effective)	HEIGHT	WIDTH
200	100	200	140	260
200	150	200	190	260
200	200	200	240	260
200	300	200	340	260
400	100	400	140	460
400	150	400	190	460
400	200	400	240	460
400	300	400	340	460
500	200	500	240	560
500	200	500	240	560
600	300	500	340	560

Effective Height	Fe	Non-Fe	SS
100	0,8	1,5	2
150	1	1,5	2,5
200	1,2	2	2,5
300	2	3	3,5





# COMMON FEATURES

PULS.COM.TR



7" HMI SCREEN ( 10" OPTION )



AVAILABLE TO DOWNLOAD REPORT TO USB ( CSV )

AVAILABLE TO SAVE 15 DIFFERENT RECEIPT ( PACKAGE ) DETAILS

COMMUNICATION WITH PROFINET OR TCP-IP REMOTE CONTROL

PULS REPORT SOFTWARE ( OPTIONAL )

SUPPORTS IOT INTEGRATION PROGRAMS

PULS Electronic Systems laid in 2002 the foundations of its success story in the field of industry with the motto "We know the Load on you, because we can measure it". Our company based in Turkey, presents to the service of its customers the electrical and electromechanical products required in the machine industry and manufactured by our firm from an innovative perspective and with continuously developing knowledge accumulation.



Puls has gained a well established place in the world market since 2002 with a product range developed as a result of the continuous investment in R&D Studies. In addition to the firsts developed in the weighing industry (Crane Scale, Checkweigher with 100 mg accuracy), it has become the pioneer of the innovations such as 20-120kV Static Charger, Web-Cleaner.

Starting out the production life with several model load cells and weighing indicators, Puls Elektronik has adopted continuous development as the principle with over 200 product types currently held in 3 main activity fields (Weighing Systems, Static solutions, Silo Equipments) and takes pride in exporting to 86 countries having dealership structure in more than 28 countries. Puls Electronic Systems is at your service in 7 continents with its distinctive products that is continuously developed through its innovative and customer-oriented structure, R&D power, the experience it has gained and knowledge accumulated.







**PULSE<sup>®</sup>Electronic**

# PULSE<sup>®</sup>Electronic

WEIGHING TECHNOLOGIES / STATIC SOLUTIONS / SILO EQUIPMENTS



Ömerli Mahallesi Seciye Sokak No:8 Hadımköy / Arnavutköy  
ISTANBUL-TURKEY  
Phone : +90 212 798 36 36 PBX  
E-mail : info@puls.com.tr

WWW.PULS.COM.TR

