

Product Checking Systems

Technofour Electronics Pvt. Ltd.



TECHNOFOUR ELECTRONICS PVT. LTD.

The Leaders in Product Checking Systems



Agenda



01 Technofour Group

The Organization

02 Product Checking Systems

Product Range Offered

03 Competencies

Company Infrastructure and Competencies.

The Beginning



U.S. Godbole

S.K. Kudekar
(Late)

P.V. Dhole

R.G. Kulkarni

Sales
Turnover: 100
Crores

TECHNOFOUR Group was established in 1972 by four Technocrats from the prestigious “Indian Institute of Technology” (IIT) Mumbai. The Company was formed with an objective to design, develop and manufacture “**Import Substitute Products**” in India.

Manpower
employed: 300

1972
Established
Technofour.
NDT Div.

1982
Established **Technofour
Electronics Pvt. Ltd.**
PCS Div.

2015
Established
**Technofour
Electronics
Defence Pvt. Ltd.**
Defence Div.

NDT: Non Destructive
Testing

PCS: Product
Checking Systems

Technofour Group - Location



Group Head Office & **NDT Div.**

NDT House, 45 Ambedkar Road,
Pune – 411 001. INDIA.

Tel.: +91 20 2605 8064.

Email:

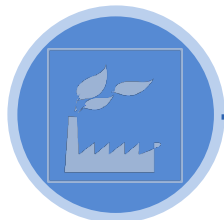


Technofour Electronics Pvt. Ltd. (**PCS Div.**)

Gat No. 5, 243, Kasurdi, Khed Shivapur – Saswad
Link Road, Tal. Bhor, Pune – 412 205. INDIA.

Tel.: +91 20 2605 8064.

Email: pcssales@tepl.co.in



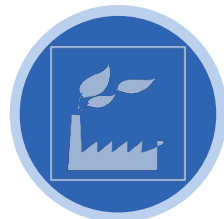
Technofour Electronics Defence Pvt. Ltd.

(**Defence Div.**)

Gat No. 5, 243, Kasurdi, Khed Shivapur –
Saswad Link Road, Tal. Bhor, Pune – 412 205.

INDIA. Tel.: +91 20 2605 8064.

Email: pcssales@tepl.co.in



Technofour Electronics Pvt Ltd , Kasurdi Plant



Area :- 28,000 Sq.Mtr (7 Acre)

Factory built up area :- 10,000 Sq.Mtr



TECHNOFOUR ELECTRONICS PVT. LTD.

The Leaders in Product Checking Systems

• Product Range



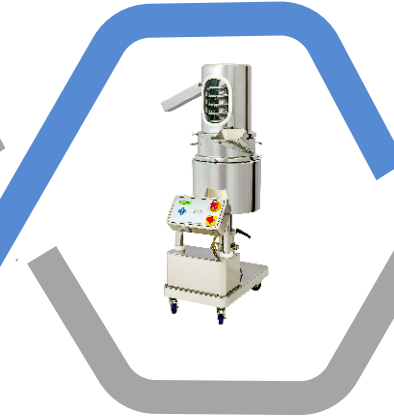
**Metal Detectors
for pharma
Applications**



**Metal Detectors
for packed
products**



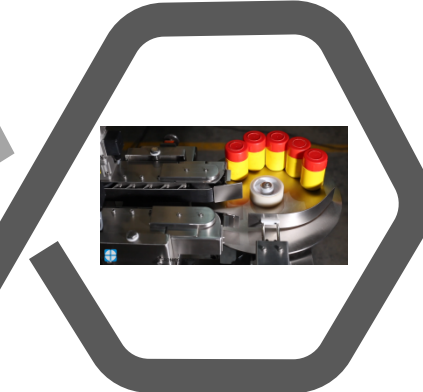
**Dynamic
Checkweighers**



Dedusters



**Combination of
Metal Detector &
Checkweigher**

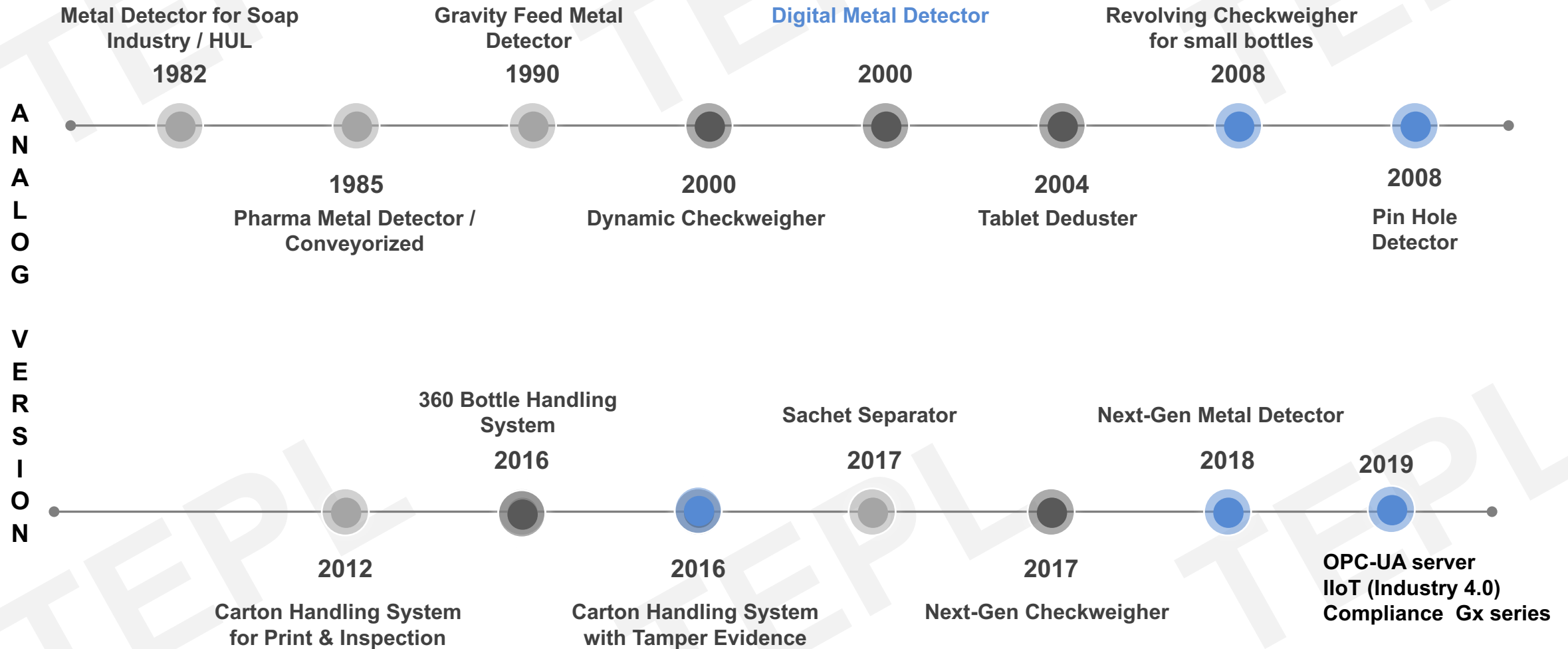


**Product Handling
Systems**

leading manufacturer and exporter of Metal Detection Systems and Checkweigher Systems in India.

With over 15,000 Metal Detection Systems and 4,500 Checkweigher Systems installed and operating successfully in various Pharmaceutical, Food, Soap, FMCG and Chemical Industries in India and around the globe

Product Development Milestones – PCS division



METAL DETECTORS



Gravity Feed Metal Detector

Used to detect metal contamination in powders / granules / spices



Conveyorized Metal Detector

Used to detect metal contamination in packaged products



Combo – Metal Detector + Deduster

Used in Pharma Industry for tablets



Pharma Metal Detector

Used in Pharmaceutical Industry for detection of metal contamination in tablets and capsules

Metal Detector

Metal Detector is an equipment to identify foreign object contamination prevalent in food, pharmaceutical and cosmetic industry. Metal detectors are traditionally used as a first line of defence in detecting ferrous, non-ferrous and stainless steel contamination in packaged food products, tablets, capsules, soaps, detergents, powdered products, spices, granules, etc. before these products leave the manufacturing / processing plants.



• Metal Detector – Important Features



Digital Signal Processing

Digital signal processing for accurate adjustment of phase angle – To minimize the product effect and get the optimum metal detection sensitivity.



Auto Product Learning

Adjusts the product signal and product threshold automatically. Different settings can be stored in memory for multiple products



Auto Product Tracking

The machine tracks the product phase to compensate the product variation thereby eliminating chances of false rejection during inline production



E-Signature

To validate the Metal Detector with standard test piece. Standard test piece are calibrated spherical balls of desired size.



Fail Safe Mechanism

Safety interlocks to ensure proper and fail safe separation of metal contaminated product from the good product.

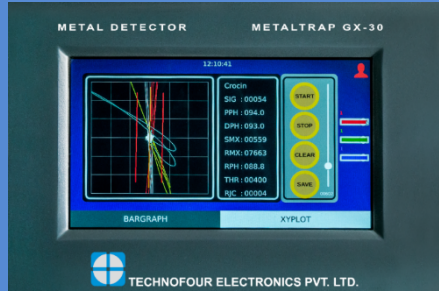


Event Time Stamping

Real Time stamping of event logs available



Metal Detector – Gx Series–Additional Features



Important features for Pharma Industries

- *FDA 21 CFR Part 11 compliant*
- *Multilevel password*
- *Finger print sensor (optional)*
- *Dual frequency version for iron tablets / capsules available*



Gx Series :- New generation series of Metal Detector with highly advance electronics/software features.

- **Intuitive graphical user interface**
- **Real time X-Y plot**
- **64 bit processor**
- **Ethernet connectivity**
- **16GB data memory expandable to 64GB**
- **IIoT compliance**
- **Finger print sensor (optional)**
- **5 years data storage memory**
- **7” display**



Linear Checkweigher

For weighing in a range of 100gm. To 20Kg.



Revolving Checkweigher

Typically used for weighing aerosol cans, vials, ampules



Combi-Checker

Combination of Checkweigher and Metal Detector

Checkweigher – Important Features

- ☐ Modern graphical user interface
- ☐ FDA 21 CFR part 11 compliant
- ☐ Informative dashboard
- ☐ Multi-weight classification
- ☐ Inbuilt report generation – complete statistical data
- ☐ Ethernet connectivity
- ☐ Interface with other machines
- ☐ Multi-product memory

Dynamic Checkweigher

A Checkweigher is an automatic dynamic weighing system for checking the weight of a given product. It checks, classifies and rejects Underweight / Overweight products and prevents them from reaching the customers.

Our Checkweigher uses the state of the art technology to achieve greater accuracy in dynamic weighing of your products. The system provides 100% online weighing of your product ensuring compliance with international standards of Pharmaceutical, Food, Chemical and Cosmetic Industry.



Linear Checkweigher – Models & Specifications



Model	Weight Range (gm)	Least Count (gm.)	Accuracy (gm.)	Max. Speed (p.p.m.)
CW 1200	01 – 1000	0.1	+/- 0.20	120
CW 1200 HSA	01 – 1000	0.1	+/- 0.20	350
CW 600 HSA	0.5 – 500	0.05	+/- 0.15	400
CW 3000	02 – 2000	0.2	+/- 0.40	120
CW 3000 HSA	02 – 2000	0.2	+/- 0.40	350
CW 5000	05 – 5000	0.5	+/- 2.00	100
CW 21K	20 – 20000	2	+/- 6.00	50

• Shipper Carton Checkweighers



CW 21K / 30K for product weight upto 20 / 30Kg,
with Roller Conveyor



CW 6K for product weight upto 5Kg,
with Roller Conveyor

Options available with
PU / Fabric belt
conveyors, Modular
Chain belt , Roller
Conveyors

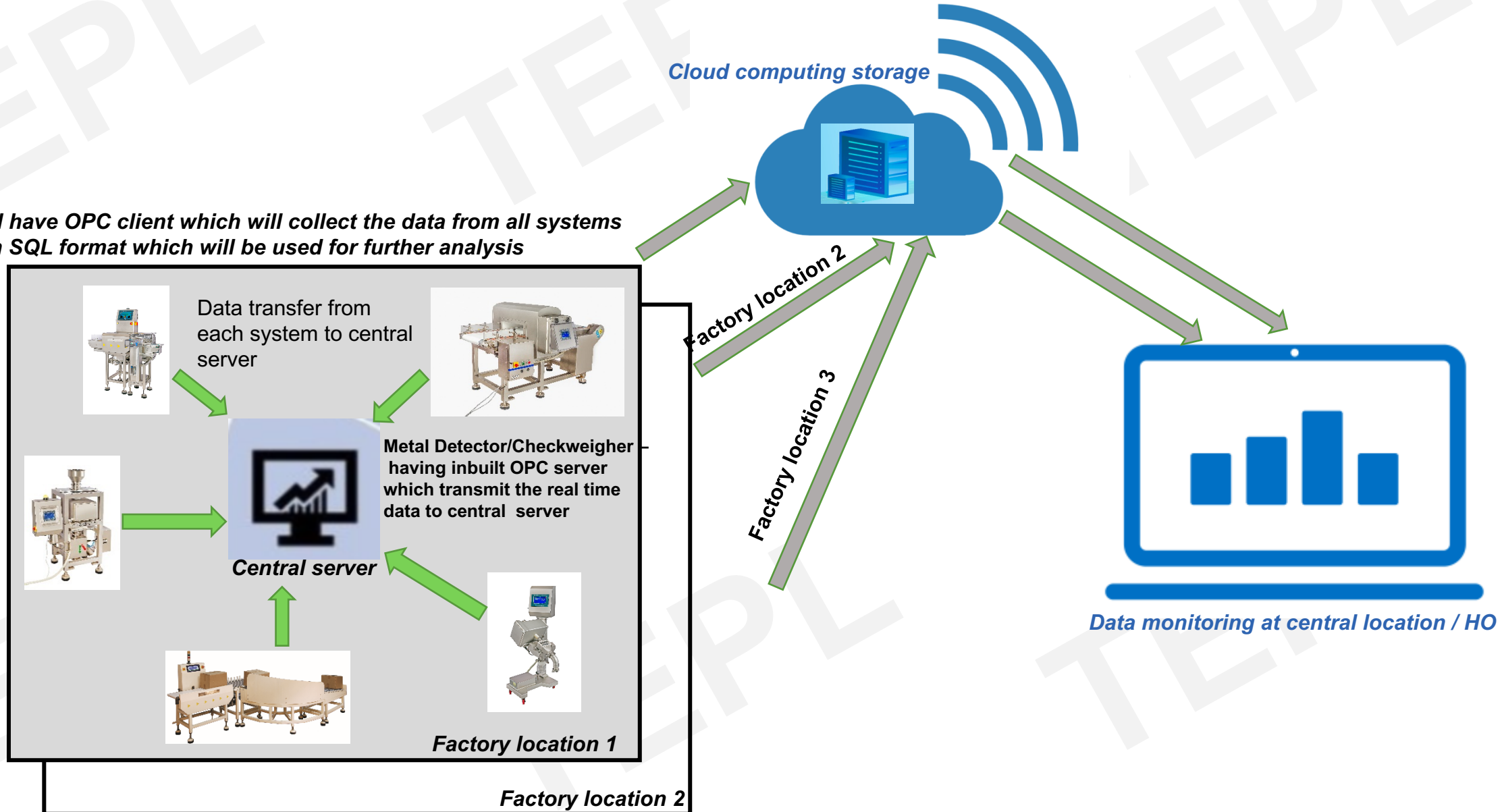


CW 60K for product weight upto 50Kg, with Belt
Conveyor

• Industry internet of things (Industry 4.0) – TEPL Solution



Central server will have OPC client which will collect the data from all systems and will display in SQL format which will be used for further analysis



Sales & Service Network



Factory



Company Sales Engineer: 08



Authorized Sales Agent: 04



Company Service Engineer: 14



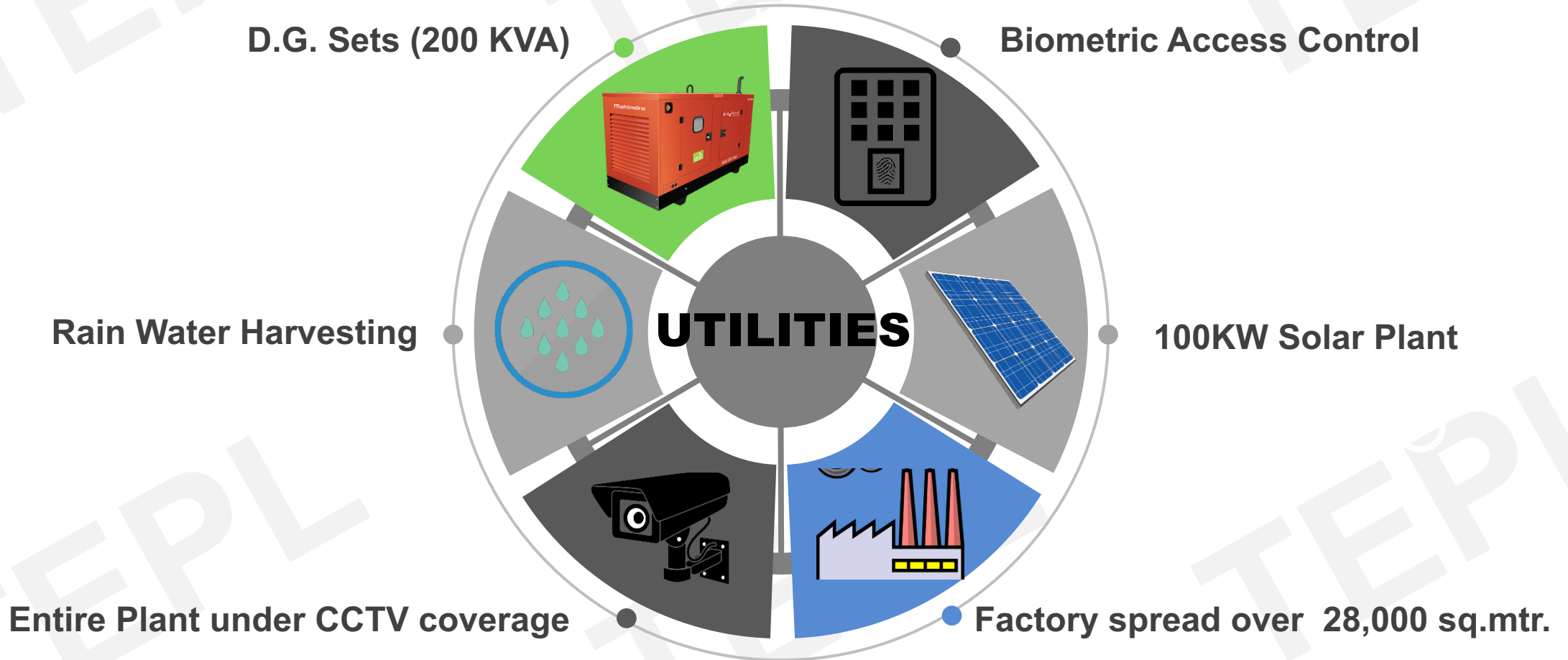
• Global Presence



We export to more than 30 countries globally

● Distributor network across the globe

• Infrastructure



• Core Competencies



NDT Equipment

More than 300 man-years of experience in development of Non Destructive Testing Equipment (NDT) in India with a focus on Eddy Current Testing.



Product Checking Systems

More than 400 man-years of experience in development of Product Checking Systems like Metal Detection Systems, Dynamic Checkweighers & Carton Handling Systems



Customers

- ❖ More than 800+ happy & satisfied customers in India and globally and counting...
- ❖ More than 18000+ installations in India & globally and counting...

Market Share

- ✓ More than 50% market share in NDT Eqpt. In India
- ✓ More than 40% market share for PCS in India

Cipla

 **Mylan**

Dr.Reddy's 


AUROBINDO


glenmark
A new way for a new world


LUPIN


SUN
PHARMA


ajanta pharma

Zy⁺us
Cad⁺ila

Pfizer

 **torrent**
PHARMA


ARISTO

Some Esteemed
Pharma
Customers



Thank You

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+91 8669980041



We look forward to serve you



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The Leaders in Product Checking Systems