

Unictron Technologies Corp. (6792 TT)



April 2021

COMPANY OVERVIEW

Ticker: 6792

Founded: 1988

Capital : NT\$438 M

Headcount: 500

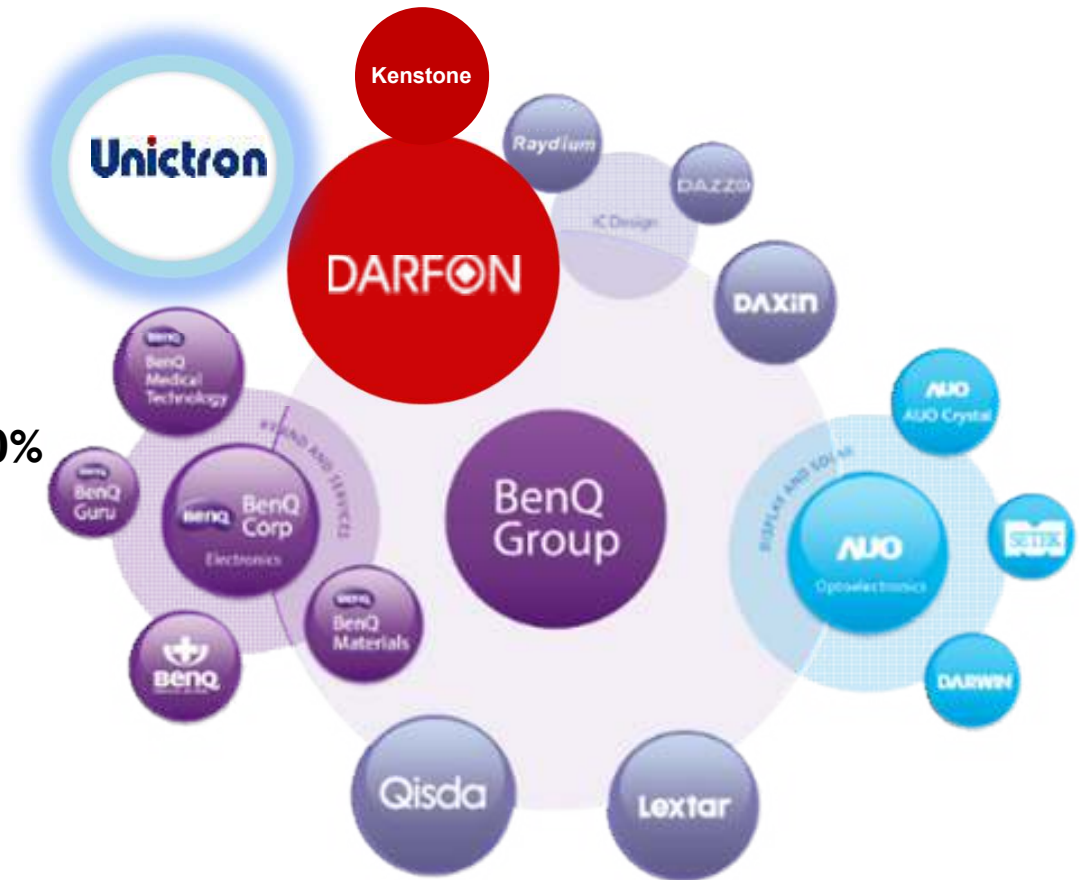
Chairman : Andy Su

President : Ray Lee

Employees - Master's degree or above: >10%

Global patents: 56 issued; 18 pending

Related certification:

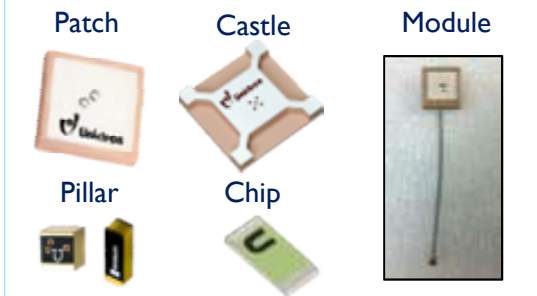


PRODUCT LINES

Antennas / Modules

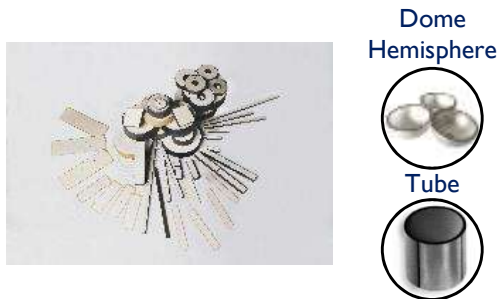


External Antennas / Receiver / Trackers



Embedded Antennas

Piezo Ceramics / Ultrasonic Sensors

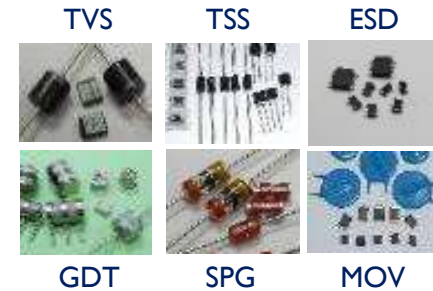


Piezo Ceramics

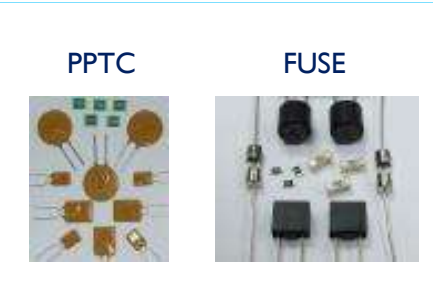


Ultrasonic Transducers

Circuit Protection Components



Over-Voltage Protection



Over-Current Protection

PRODUCT STRATEGY

Core Technology

Manufacturing
RF Design Capability
Material Formulation

Product

Antenna Piezo Ultrasonics Circuit Protection

Antenna
Antenna Module

Piezo element
Distance sensor
Flowmeter
Sensor

Circuit / Voltage
protection

Positioning Communication Smart Factory Precision Control Internet Security

Wearable Navigation Smart City Measurement Power Supply Consumer Electronics

IoT Self-driving Car TWS Industrial Medical ASIC Computers

Antennas and Antenna Modules

ANTENNAS - APPLICATIONS



AUTOMOTIVE

Navigation tracking
Fleet management



CONSUMER ELECTRONICS

Wearables
Bluetooth earbuds
Smart Watch



HIGH PRECISION POSITIONING

Land Survey
Remote Machinery Control
Autonomous Vehicles



IoT

Smart meter
NB-IoT
Smart city



SMART HOME

Home Security
Smart Doorbell
Smart Appliances



SMART TRANSPORTATION

V2X Communication
Fleet Management



SMART METERING

Data
Aggregation/Communication
Electricity/Gas/Water Meters

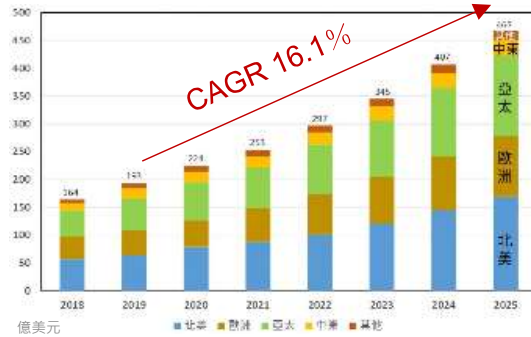


COMMUNICATION

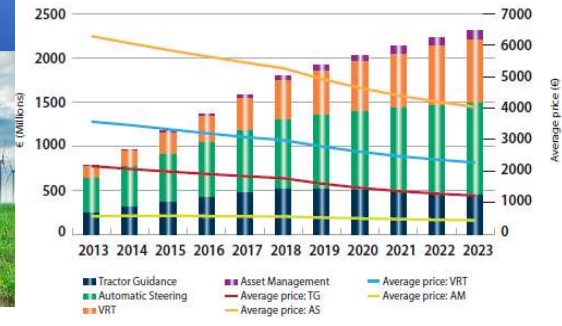
Cellular phone
Beacon
Location services

HIGH-PRECISION POSITIONING

Drone



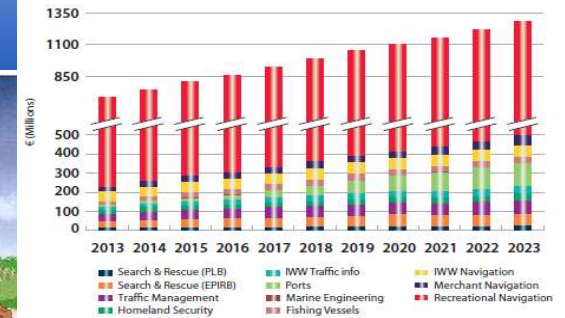
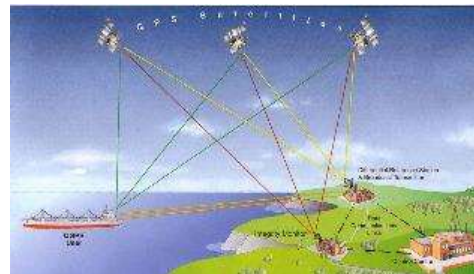
Agriculture



Autonomous Driving



Marine



HEADPHONE EVOLUTION



1958

First headphones

1999

First wireless Bluetooth earphone

2013

Wireless Bluetooth sport headphones















2019

Apple remove 3.5mm jack
The rise of TWS Earbuds

2021

- ◆ 3.5mm jack no longer available on smartphones
- ◆ Multi-functions
 1. Noise cancellation
 2. Sport monitoring

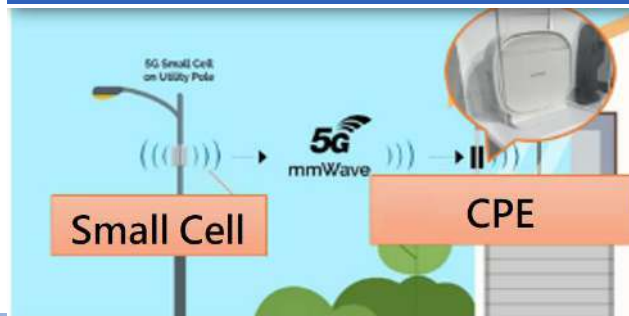
TWS SOLUTIONS

Frequency(MHz)	2400-2500							
Antenna appearance								
Model name	AA029	CW503	CW804	CW504	CW201	AA055U	AA080	CW337
Antenna type	Monopole				TELA 			Pillar 
Dimensions (LxWxH)(mm)	5.0x2.2x1.6	5.0x2.2x1.0	8.0x1.0x1.3	5.0x1.0x1.3	2.0x1.2x0.3	3.2x1.6x0.5	1.6x0.8x0.3	3.0x3.0x3.3
Clearance area (mm)	9.5x6.0	9.5x6.0	10.0x3.0	8.0x3.0	4.0x3.0	5.5x5.5	4.0x3.0	Not required
EVB size (mm)	40x40				40x20	80x40	40x20	15x15
Polarization	Linear / Horizontal				Linear / Horizontal			Linear / Vertical+Horizontal
Recommended Location on PCB	Conner				Side			Anywhere
Bluetooth chipset supported	 络達科技股份有限公司							And Others

AR/VR



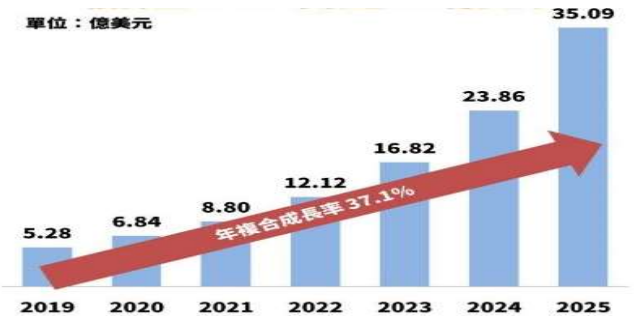
5G Small Cell



Medical



5G medical market is expected to grow from 400M USD in 2020 to 12B USD in 2026 with CAGR of 77.2%



CORE COMPETENCE

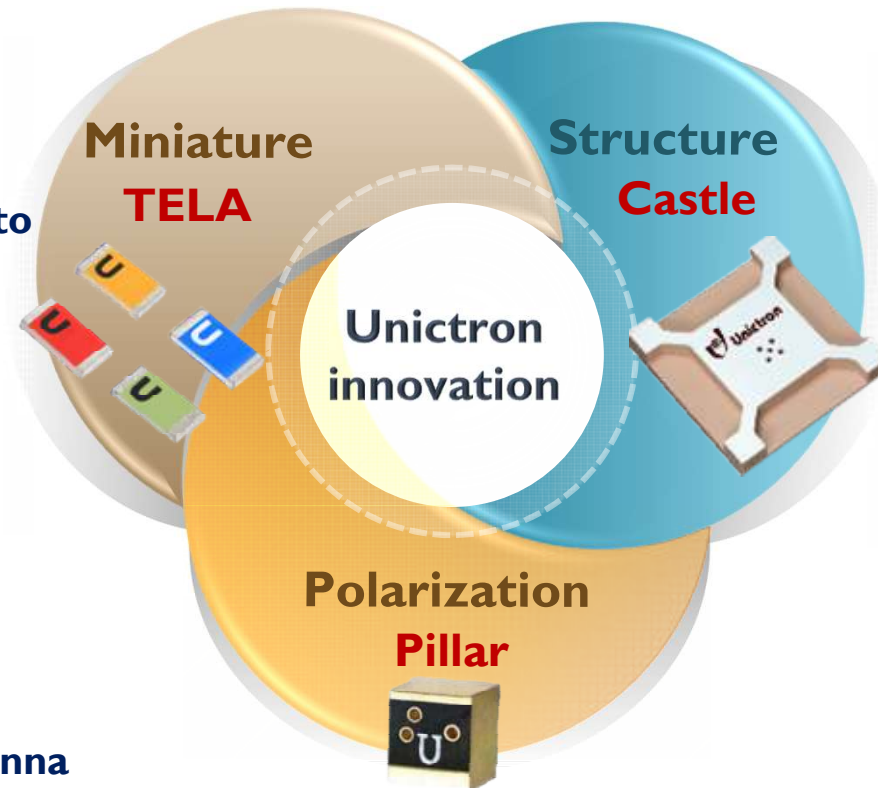
38 global patents in protection

Patents in USA/CN/TWN (2012~2013)

- ◆ TELA chip antenna
 - Miniature
 - Multi-Frequencies
 - Great anti-susceptibility to human, EMI, and metal

Patents in USA(2021)

- ◆ Pillar chip antenna
 - Anti-EMI
 - Vertical Polarization
 - MU-MIMO
 - Replace rubber duck antenna



Patents in USA/CN (2020)

- ◆ Castle Patch antenna
 - Monolithic Structure
 - Small form factor
 - High Performance

Piezoceramic Elements and Ultrasonic Transducers

PIEZO - APPLICATIONS

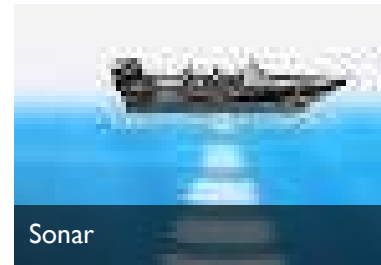
MEDICAL



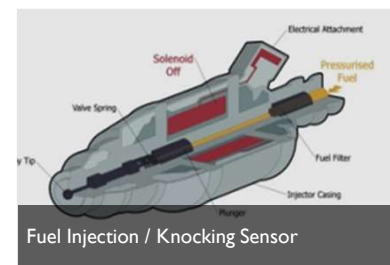
INDUSTRIAL



CONSUMER

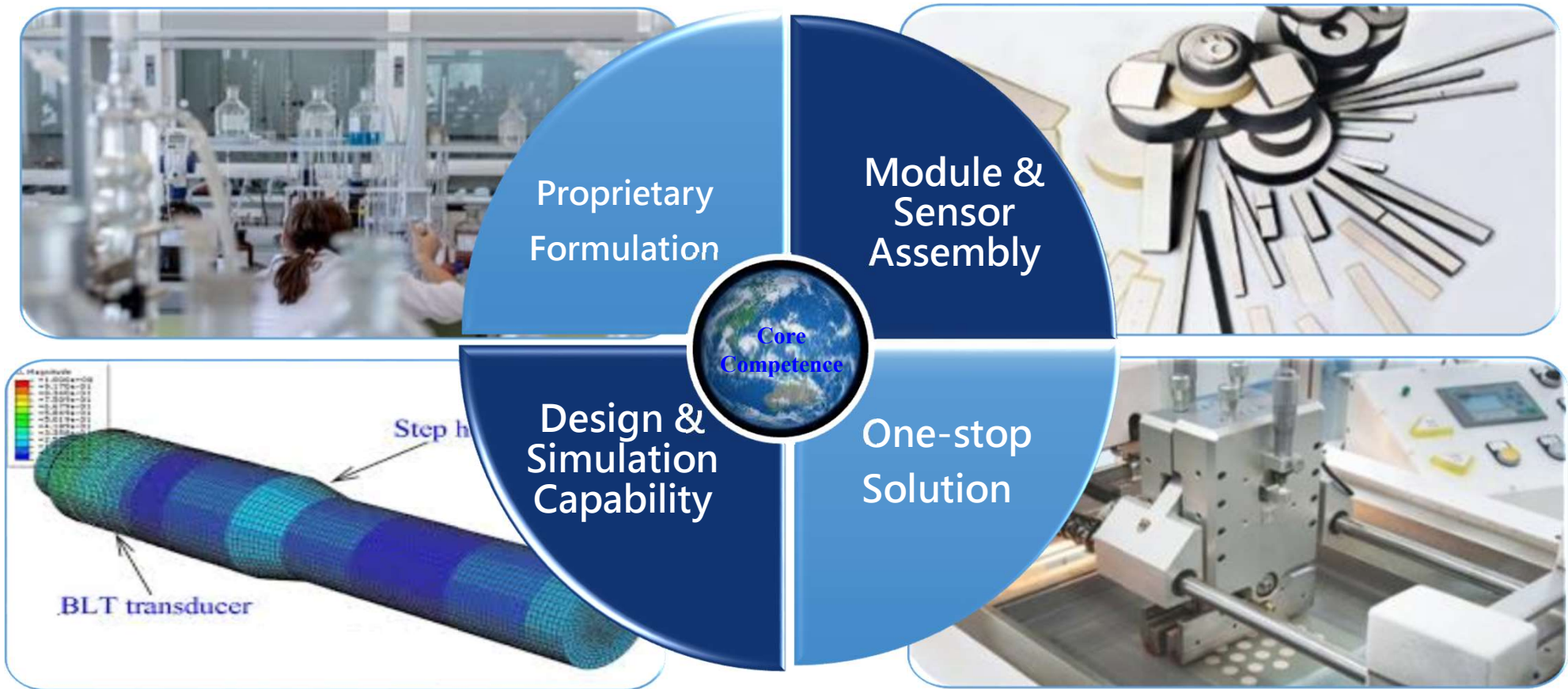


AUTOMOTIVE



PIEZO CORE COMPETENCE

14 Global Patents Protection



VALUE PROPOSITION

- ◆ The largest piezo ceramic supplier in Taiwan
- ◆ The largest ceramic patch antenna manufacturer in Taiwan
 - ◆ Primary antenna supplier to TWS earbuds
 - ◆ Supply to renown Japanese automotive maker
- ◆ World leading piezo ceramic supplier
- ◆ Primary supplier in broadband piezo element



COMPANY VISION



