臻鼎科技
Zhen Ding Tech.

Zhen Ding Technology Holding

3Q'20 Investor Presentation

臻鼎科技 Zhen Ding Tech.

2009-2019 Financial Summary

Unit: Million NTD; %

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Revenue	22,988	34,696	44,280	55,369	64,483	75,954	85,738	82,393	109,238	117,913	120,068
Gross margin	18.61%	13.37%	15.79%	19.46%	18.44%	18.86%	19.16%	15.22%	16.33%	22.10%	22.67%
Net income	1,184	711	2,356	4,056	5,471	6,735	7,731	3,456	6,772	11,536	12,402
Net income attributable to the parent company	1,184	711	2,356	4,138	5,471	6,735	7,731	3,456	5,172	8,448	8,685
Cash (Note 1)	1,291	1,797	4,084	8,756	10,016	23,482	31,572	30,241	33,296	49,154	43,071
Depreciation & Amortization	2,297	2,807	3,008	3,375	3,742	4,293	4,850	5,295	5,679	6,820	7,955
Capital	6,640	6,464	6,699	7,034	7,386	7,386	8,047	8,047	8,047	8,047	9,022
ROE (Note 2)	10.82%	5.54%	15.34%	21.27%	23.77%	23.33%	20.82%	8.59%	14.49%	17.30%	14.72%
Debt ratio	67.08%	69.70%	67.03%	66.28%	64.06%	62.54%	53.70%	59.72%	55.33%	44.25%	35.41%

Note:
(1) Cash includes cash & cash equivalents and current financial assets at fair value through profit or loss.
(2) The change of 2019 ROE is due to the increase of total equity resulting mainly from 3,601 million RMB fundraising of the Company's subsidiary – Avary's IPO.

Jan – Sep, 2020 Financial Summary

Unit: Million NTD; %

Period	Jan – Sep, 2020	Jan – Sep, 2019
Revenue	76,079	78,095
Gross margin	18.37%	20.59%
Net income	5,453	7,208
Net income attributable to the parent company	3,777	5,005
Cash (Note 1)	38,851	43,340
Depreciation & Amortization	5,973	5,842
Capital	9,022	9,022
Debt ratio	37.97%	38.86%

Note: Cash includes cash & cash equivalents and current financial assets at fair value through profit or loss.

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2020

2004

Fuyong, Shenzhen

Shenzhen Park I

Shenzhen Park II

Qinhuandao Park

Huaian Park I

Huaian Park II

Huaian Park III

Chennai Park

Taoyuan (Boardtek)

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Honors &Achievements

The world's Largest PCB Company in 2019 1

Ranked 35 of "Taiwan's Top 2000 Manufacturing Companies" in 2019. (reported by CommonWealth magazine) 35

Ranked 185 of "Greater-China Top 1000 Companies by Market Cap" in 2019.
(reported by Business Today magazine) 185

The 2nd Jiangsu Technology Innovation Award
(received on March 25, 2019)

The 4th Shenzhen Industrial Award
(received on November 18, 2019)

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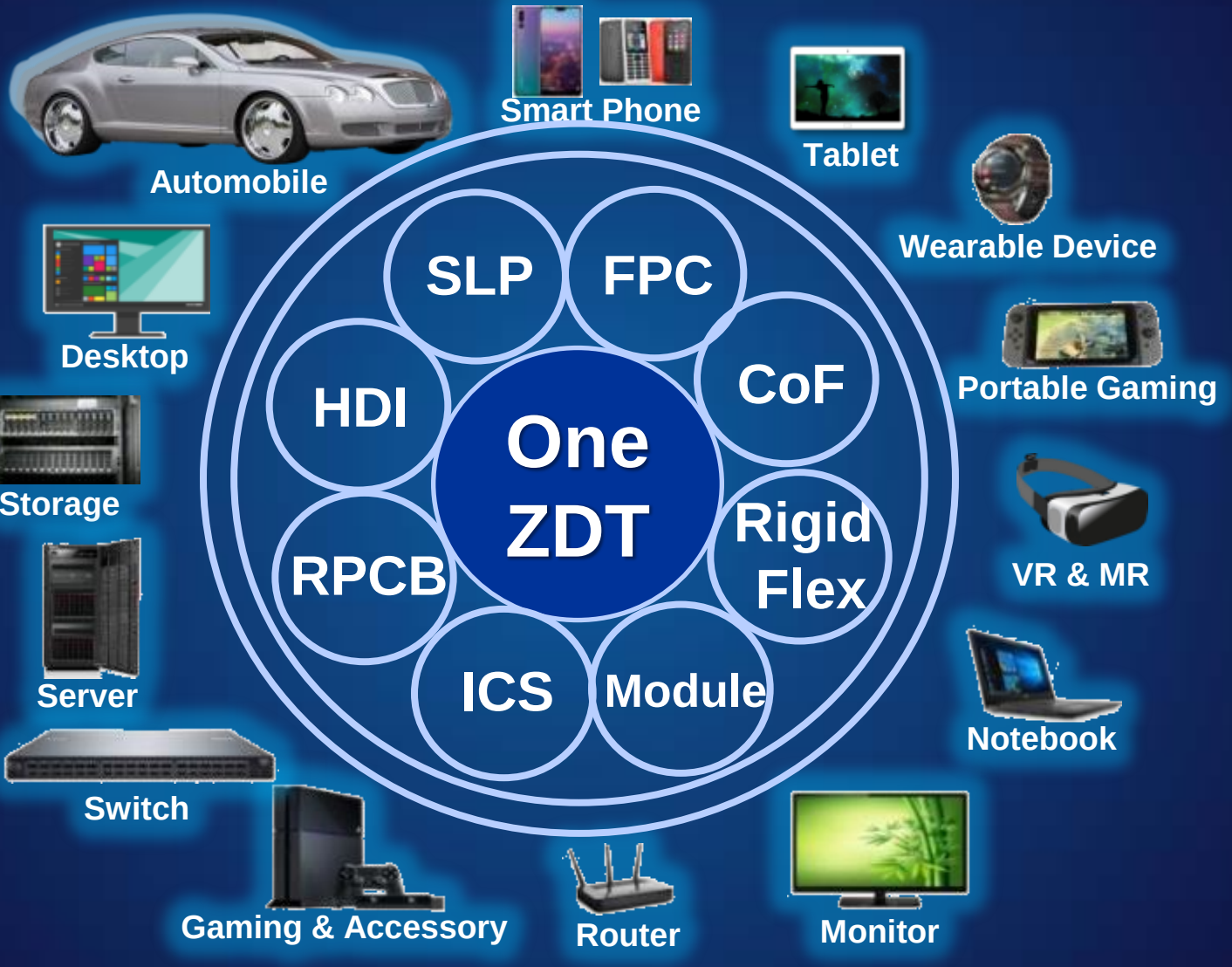
One ZDT



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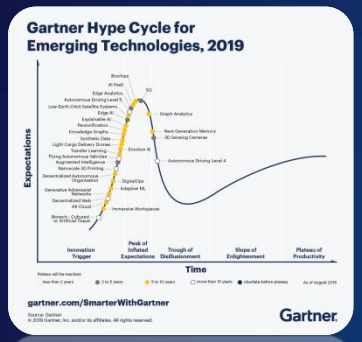
ZDT's Product Developments



Post-Classical Computing & Communication

5G → 6G AI Sensing IoT

Augmented Human

Sensing & Mobility

Advanced AI & Analytics

Digital Ecosystems

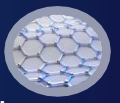
Consumer Electronics

Wearable Devise

Telecommunication

Automotive Electronics

Bio Electronics



Advanced Materials

Camera

Audio

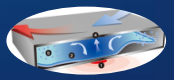
RF Antenna

Touch Display

Main Board

Internet Facility

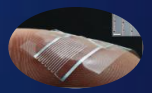
Cloud



Thermal Management

Energy & Power

ADAS



Bio Sensor

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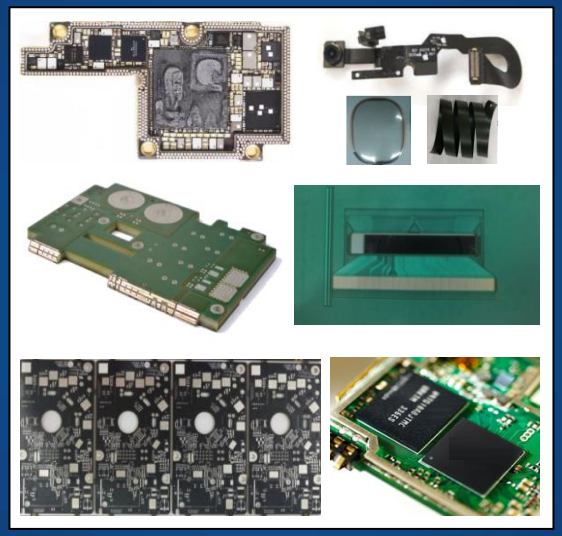
Technology Features of PCBs

Heat Dissipation

High Reliability

Muti-layer connection

High Frequency High Speed



Thinner

High Density

Miniature

Integration

Elaborate Product

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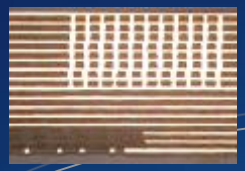
5G PCB Product Portfolio

Air Filled SIW



Small Cell Antenna

Micro-via

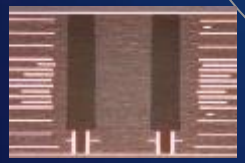
>20L HLC

Embedded Cu coin

Edge Plating

Antenna for Satellite

High AR + PoFV



Back Drilling

Hybrid Material

Sever Platform

Sequential Build Up

Plated Heavy Cu (6~10oz)

Small Cell

Optical Module

Antenna

Automotive Radar

5G

Back Plane

Power

Switch/ Router

Server/ Storage

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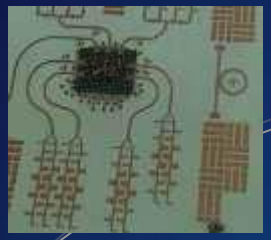
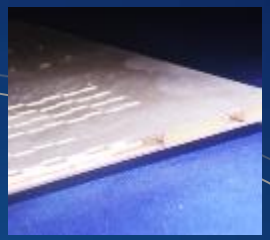
Automotive Product Portfolio



8 Layers, Deep control via (RO3003+FR-4)



Embedded Waveguide Slot Antenna

77GHz Rader

Air-filled SIW 77GHz Rader

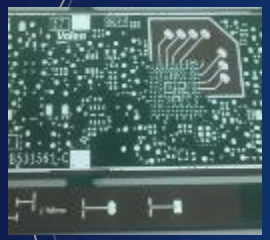
Interior Radar (62 GHz)

AUTOMOTIVE

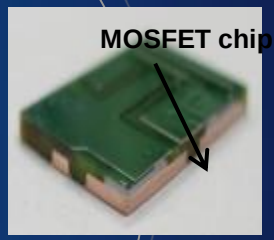
Chip Embedded

Bus Bar PCB

Electrical Motorbike

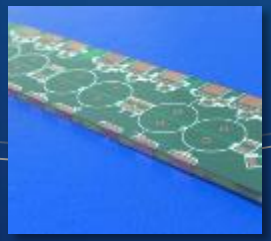


Taconic TSM-DS3 + FR-4



Embedded High Power Modulus
Silver Sintering
Cu-coin Heat Sink

Bus Bar PCB



High Power 4 Layers (17 Embedded Cu-coins)

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Industry/Academia/Research Collaboration

As of 2020/10/31

清華大學
(北京,深圳研究生院)
Tsinghua University

北京大學
(深圳研究生院)
Peking University

香港城市大學
(香港)
City University of Hong Kong

清華大學
(臺灣.新竹)
Tsing Hua University

成功大學
(臺灣.台南)
National Cheng Kung University

交通大學
(臺灣.新竹)
National Chiao Tung University

哈爾濱工業大學
(廣東.深圳)
Harbin Institute of Technology

中山大學
(廣東.廣州)
Sun Yat-sen University

台灣科技大學
(臺灣.臺北)
National Taiwan University of Science and Technology

中央大學
(臺灣.桃園)
National Central University

台北科技大學
(臺灣.臺北)
National Taipei University of Technology

東南大學
(江蘇.南京)
Southeast University

深圳大學
(廣東.深圳)
Shenzhen University

中興大學
(臺灣.台中)
National Chung Hsing University

逢甲大學
(臺灣.台中)
Feng Chia University

燕山大學
(河北.秦皇島)
Yanshan University

中原大學
(臺灣.桃園)
Chung Yuan Christian University

廣東工業大學
(廣東.廣州)
Guangdong University of Technology

元智大學
(臺灣.桃園)
Yuan Ze University

河北工業大學
(天津)
Hebei University of Technology

中科院深圳先進技術研究院
(廣東，深圳)
SIAT

臺灣工業技術研究院
(臺灣，新竹)
ITRI

深圳資訊通信研究院
(中國資訊通信研究院南方分院)
(廣東，深圳)
SAICT

*高校依據QS世界大學排名

ZDT is collaborating with 23 colleges and universities as of Oct. 31, 2020.

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ZDT's Smart Industry 4.0

Simplification → Automative → Intelligent → Intellectual

Immediate Reaction

Projection Analysis

Cause Analysis

Retrospective

Visibility

Basic Data Collection

Resuce Cost/ Inventory

Automation ZDT2.0

Big Data 1.0

SCM | SAP

HR | EDA | OA

MES | RTD | Smart Storage | SFC

EAP | MCS | Data Storage | AGV | Date Collection

Big data ZDT 3.0

Big Data 3.0

Big Data 2.0

CRM

FDC

Smart Process

YMS

Smart Manufacturing

Could ZDT 4.0

Big Data 4.0

Cloud

PLM

AI

Block Chain

Machine Learning

Enhance Quality/ Efficiency

New Number Factory

IT Service | Email System | Pipeline | Punch Card | Facial System | Corp Com | Security | Anti-virus | Website | Log-in

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ZDT's Seven Green Policies

To develop materials and technologies for a better environment

Green Innovation

To promote green initiatives at all operations and daily lives

Green Practice

To enhance management of green supply chain to meet the green product standards

Green Procurement

To recycle resources and reuse utilities

Green Recycle

To reduce consumption and improve efficiency

Green Production

To provide green solutions to our customers

Green Services

Green Logistics

To improve efficiency of packaging and transportation

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Green Awards

As of 2020/10/31

5 Awards Received from US Customers

- A supplier goes above and beyond for the environment (APPLE)
- Best greenhouse gas emissions
- Best CSR

18 Awards Received in Qinhuandao

- Green factory
- Zero waste certification (ZWP)
- UL platinum certification
- AWS platinum certification

27 Awards Received in Shenzhen

- Green factory
- Guangdong green label enterprise
- Guangdong best eco-friendly enterprise
- AWS platinum certification

37 Awards Received in Huaian

- Green factory
- Jiangsu green label enterprise
- Huaian best water saving
- AWS platinum certification
- Green supply chain

AWS Platinum Certification

Publication on May 15, 2020

In 2019, three Apple supplier sites earned the AWS platinum certification. Among the platinum certified sites are two facilities owned by TSMC and one Avary Holding facility. "We would encourage all manufacturing businesses to pursue AWS certification," said Charles C.F. Shen, chairman of Avary Holding. "Pursuing the platinum certification provided a framework for us to collaborate with the communities and other businesses in the area, and has helped us to integrate water stewardship into our daily operations."

—— Source: Apple's Supplier Responsibility 2020 Progress Report

AWS（Alliance For Water Stewardship) is a global membership collaboration comprising businesses, NGOs and the public sector. Its members contribute to the sustainability of local water-resources through their adoption and promotion of a universal framework for the sustainable use of water.

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Q&A