INTRODUCTION
PalPilot Milestones

- Strategic Alliance with PALWONN Group Established / 2010
- Component Division Established. Strategic Alliance with Nexttron® / 2007
- China PCB Production / 2001
- Taiwan PCB Production / 1999
- Magnetic, PalCELL and PalMEMS Divisions / 2012
- Strategic Alliance with Sitor / 2011
- Suzhou (ZPW) Started Production / 2011
- Established FastPrint PalPilot North America / 2013
- Strategic Alliance with FA & GCPC / 2014
NEXTRONICS COMPANY PROFILE

• Nextronics is a PalPilot group alliance partner established in 1987 with the connector brand NEXTRON.

• PalPilot Group an $800 M USD company, alliance with Nextronics since 2006. PalPilot is Nextronics’ North America sales platform.

• Nextron USA (Head Quarter in California).

• IPO in Taiwan Stock Market OTC: 8147 (April, 2013).

• Nextron joint CDFP MSA as a contributor to develop 400Gpbs hot pluggable modules.

• In house vertical integration of product design, tooling, stamping, screw machining, molding, assembly automation…etc

• TL9000, ISO13485, ISO14001, OHSAS18001, certified from 2009.

• Global sales coverage: USA, Canada, Germany, Italy, UK, Israel, Japan, Korea, India, China and Taiwan….
7 CORE PRODUCTS

- Push-Pull Circular Connector
- High Speed I/O Connector
- High Speed Backplane Connector
- Combo Power Connector
- Industrial Connector & Module
- High Speed Backplane
- Electronics Packaging & Subsystem
Circular Connectors
Circular Connector Product Description

- NEXTRON connectors are precision, high quality modular connectors with a mechanical self-latching configuration.

- The modular design of the connector provides various combinations of connectivity capabilities of handling a variety of cable diameters.

- Products are used in environments that require reliability and ruggedness. **Reliability:** Due to their high quality design NEXTRON connectors typically last as long as the equipment. **Ruggedness:** Suitable for applications with high vibration and shock requirements.

- Markets served include but are not limited to; MEDICAL, INDUSTRIAL, TEST & MEASUREMENT, COMMUNICATIONS and AVIATION.

- Certifications: TL 9000, ISO 14001, ISO 13485, OSHAS 18001, UL approved, RoHS compliant.
Industrial Application

- 3D dental image capture & modeling
- Standard B Series Connector

Video & Cinematography

Data Acquisition Systems & Sensors for Product Testing

Ablation catheters for cardio diagnostics 34 pins connector
Surgery Medical Device Application

Mapping / Ablation Catheters

Patient Monitoring

Beauty care Equipment

Pain Management Device

Blood pressure & heart rate measurement

Industrial Devices

Medical Device Applications
Micro Circular Connector Series
(High Vibration Resistance)

P Series (1P size, 2P size) Plastic Circular Connector

B Series (00,0,1 and 2 sizes) Metal Circular Connector

K Series (0,1 and 2 sizes) IP67 Metal Circular Connector
Circular Connector Overview

**Micro**

- **Flex-Pin Design** with Beryllium Copper material,
- the best solution for resisting vibration and shock
- Small contact size, 50 mil pitch
- Ø 0.27” outer housing with 12 contacts
- Tail options for pre-wired, solder cup, and solid straight tail PCB
- Elaborate wire harnesses, flex termination, over molding and custom shells are all available upon request

**P Series**

- 2-32 contacts
- Lightweight plastic connector
- PSU or PEI plastic housing
- **Peek insulator for high performance**
- **Autoclave sterilization** & disinfection levels
- Tough-proof design
- Color identification & Keying options
- Disposable types

**B Series**

- Robust self-latch mechanism
- Solder, Crimp, PCB style contacts
- Right angle receptacles
- Error-proof keying options
- Fully EMC protected
- 2 to 32 contact options
- IP50

**K Series**

- IP67 version of B series

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Micro Circular Connector (High Vibration Resistance)

Flex-Pin Contact Design

- Flex-Pin contact design with Beryllium Copper material, the best solution for resisting vibration and shock
- Small contact size, 50 mil pitch
- Ø 0.27” outer housing with 12 contacts
- Tail options for pre-wired, solder cup, and solid straight tail
- Elaborate wire harnesses, flex termination, over molding and custom shells are all available upon request

Features

Flex-Pin Contact Design for Other Connector Application (High Vibration Resistance)
Material Characteristics

**Insulator:**
- PEEK: Can withstand 260°C

**Outer shell:**
- PSU: Working temp.: -50°C ~+150°C
- PEI: Working temp. -50°C ~ +170°C

Endure high soldering temperature for cable assembly

Autoclave Sterilization at 132°C & 30 PSI for 3 minutes
Other New Product Introductions

- Disposable back-shells and receptacles
- Right angle B series receptacles
- B Series Size 00
- P Series Size 2
In-House Vertical Integration

Product Design
Tooling
Stamping

Screw Machining
Molding
Assembly Automation
In-House Vertical Integration

- Milling Machines
- Grinding Machines
- EDM
- Wire Cut
- CNC

- Injection Molding: 26
- Insert Molding: 4

- Stamping Machine: 13
  - Bruderer (German): 6
  - Kyori (Japan): 2
  - Micron (Taiwan): 4
  - 160T (Taiwan): 1

- Screw Machining: 4
  - Star CNC Tool

Tooling Center

Mold Injection

Stamping

Screw Machining
Assembly Automation

Multi-Station Robot Assembly Line

High Precision Robot Station

Custom Automation Line
QA Lab

- X-Ray
- OGP 3D Measurement Machine
- UL Temperature Rising tester
- Electrical Test
- Environment Test
- Mechanical test
Quality System

Nextronics System

QUENSH
Quality / Environmental / Safety & Health

QUALITY
TL9000 (Telecom)
ISO13485 (Medical)

ENVIRONMENTAL
ISO14000

SAFETY & HEALTH
OHSAS18000
Why Nextron?

Precision Modular Connectors

*A global leader in the production of high quality circular push-pull and high speed connectors.*

Customer Service & Engineering Support

*Rapid prototyping, engineering support and response time.*

Speed To Market

*Reduced lead times and on time delivery.*

Supply Chain Management

*U.S. based inventory*

We Are A Company That Is Easy To Work With

*Driven by people and relationships*

*A Company With Bias For Action*
Global Customers

- Cloud Computing Equipment

- Public & Enterprise Telecommunication

- Surgery Medical Device

- Industrial & Lighting

- Embedded System
THANK YOU