GLOBAL SNAPSHOT
2018
ABOUT US
Global Overview

01 CAPABILITIES
- World-wide manufacturer of interconnect products

02 REVENUE
- 2016 global sales $90M with 776 employees world-wide

03 ENGINEERING
- Strong global engineering resources; over 50 patents

04 INVESTMENTS
- $20M invested in capital since 2012

05 FOOTPRINT
- 4 manufacturing sites worldwide

06 GROWTH
- Global acquisitions in 2018
Industry Diversification

- **70%** Automotive
- **10%** Industrial
- **5%** Medical
- **15%** Other
GLOBAL FACTORY LOCATIONS

GLOBAL CERTIFICATIONS
• ISO14001
• IATF16949
Vertical Capability Advantage

**Paramount, CA**
- Precision Stamping
- Press Fit Technology
- Splice Technology

**Tijuana, Mexico**
- Pin Production
- Molding
- Connector Manufacturing
- Interconnect Assemblies
- SMA Assemblies

**Langenzenn, Germany**
- Precision Stamping
- Pin Production
- Molding
- Connector Manufacturing
- Interconnect Assemblies

**Dongguan, China**
- Precision Stamping
- Press Fit Technology
- Pin Production
- Molding
- Connector Manufacturing
- Interconnect Assemblies
FINANCIAL OVERVIEW

REVENUE SPLIT BY SEGMENT
2015 - 2020F

REVENUE & EBITDA
2015 - 2020F
COMPREHENSIVE PRODUCT OFFERING

CUSTOM CONNECTORS
Design and manufacturing of customer specific connector assemblies comprised of customized components
Insert moldings, over moldings

MACHINES & COMPONENTS
Design and manufacturing of automated wire splicing and interconnect insertion machines
Insertion machines, headers, stamped terminals, splice machines and spliceband

INTEGRATED ASSEMBLIES
Offering of PCBA and Shape Memory Alloy assemblies
Power distribution modules, custom assemblies

END MARKETS
Automotive
Industrial
Other

END MARKETS
Automotive
Industrial
Medical
Other

END MARKETS
Automotive
Medical
CUSTOM CONNECTORS

Custom Connectors and Insert molding products incorporate robust press-fit terminals with precision molding and low cost flexible assembly technology.

Insert Molding | Press-Fit Terminals
Complex Lead Frames
VERSATILITY

We focus on innovative, versatile and cost effective solutions tailored specifically to meet your project requirements. From basic molded headers to high-density shrouded connectors where environment and voltage rating are a factor, Autosplice has the experience, resources and expertise to meet your needs.

CAPABILITIES

- Progressive Die Stamping
- Vertical Insert Molding
- Horizontal Continuous Molding
- Press-Fit Terminals
- Complex Lead Frames & Busses
- Robotic Automation Assembly
- Dispensing UV Cured Materials
- 100% AOI, Hi-pot, and Continuity Testing
CUSTOM CONNECTORS

Infotainment / Instrumentation
Terminals, Auto Header, Custom connectors

Airbag Modules
Integrated connector module

Radar Housing
Integrated connector module
CUSTOM CONNECTORS

Sensors & Fuel Control Modules
Integrated Connector Assemblies, Terminals, Custom Header, Busbars

ECU & BCU Control Units
Custom Connector Assemblies, Terminals, Custom Header, Busbars
Design and manufacturing of automated wire splicing and interconnect insertion machines.

Insertion Machines | Headers | Stamped Terminals
Splice Machines | Spliceband
**MULTISERT**
- Insertion Time: 0.35 sec./component on .2” (5.08 mm) pitch
- Insertion Area: 18” x 18” (457 x 457 mm)
- Insertion Heads: Max. 2
- Vision system for PCB error correction

**AIS 5000**
- Insertion Time: Pin 0.7 sec. | Tab 1.0 sec./component
- Insertion Area: 12” x 12” (300 x 300 mm)
- Insertion Heads: Max. 2
- Autocorrection function (optional)
TERMINALS FOR PCBA AND MOLDING INSERTION

PRESS-FIT TERMINALS
- 0.4 mm coming soon
- 0.64 mm
- 0.82 mm
- 1.2 mm

SOLDER TAIL TERMINALS
- Blades
- SMT sockets
- Receptacles / Sockets
- Tuning Forks
- Horizontal Blades / Pins

AP/2 DRAWN WIRE PINS
- 0.1 mm – 1.2 mm Pins
- Press-fit coming soon
- Conforming Semi Press-fit
- Star and Knurl pins
CONTINUOUS MOLDED HEADERS

ADVANTAGE
The continuous reel packaging method provides convenient, cost effective automation and placement.

Press-fit
Single and Dual Row

Solder tail
Single and Dual Row

Right angle
Single and Dual Row

Blades
Single and Dual Row

Pins
Single and Dual Row

Stacking header
SMT PRODUCTS

SHIELD CLIPS AND SHIELDS

Autosplice shield clips and covers offer premium RFI and EMR noise suppression with two designs, the standard shield clip uses four independent spring contacts and the corner shield clip to minimize interference on the most sensitive devices.

SOLDERBALL PINS

Solderball Pins have been tested to perform current capacities of up to 40 amps.
SPLICING MACHINES

SAS/3
- Single shot clutch drive system
- Mechanical driven feed for splice band
- Scrap free
- Vast variations of tooling options

ACS 2000
- Servo Motor Drive system
- Pneumatic grip and feed for splice band
- Scrap free
- Programmable Counter
SPLICEBAND APPLICATIONS

**ADVANTAGE**

Splice Technology produces gas-tight, repeatable, and waste-free low resistance connections.

Splice Technology feeds, cuts, forms and splices connections quickly, eliminating the need for pre-formed crimps.
INTEGRATED ASSEMBLY

Autosplice offers sub-assembly services with PCBA, terminals, and molding to support your specific industry through one supplier.
COMPETITIVE GLOBAL SUPPLY CHAIN

EASE OF DOING BUSINESS

COMPETITIVE COST MODELS

DESIGN TO PRODUCTION EXPERTISE
INTEGRATED ASSEMBLY SERVICES

High Mix, Low Volume PCBA
Shape Memory Alloy Applications

Seat Lumbar & Massage

Insulin Pump Actuation

Medical Drug Dispensing
VERTICALLY INTEGRATED CAPABILITIES
VERTICALLY INTEGRATED OPERATIONS

Engineering
- Extensive design and engineering capabilities
- Innovative products, supported by 50+ patents
- Strong interaction and cooperation with teams

Stamping
- High precision, tight tolerance metal stamping
- Automotive approved, press-fit designs
- 35 Bruderer presses 22T-60T

Molding
- High tolerance, precision insert molding
- Vertically integrated molding assemblies
- 28 Molding presses (25 T – 400 T)

Assembly
- High speed pins and tabs insertion
- Power distribution SMT assemblies
- SMA wire crimp assemblies

Automation
- Assembly specific custom automated solutions
- Precision automated optical inspection
- In-line and off-line solutions for automated insertion
ENGINEERING SERVICES

We have the ability to assist in the design of your products anywhere in the world at our divisions in North America, Europe and Asia.
ENGINEERING SERVICES

PRODUCT DESIGN & ENGINEERING
- Design & development of custom connectors
- Design for manufacturability & assembly (DFMA)
- Shape memory alloy (SMA) applications

AUTOMATION
- Custom automation for connector/contact assemblies
- Autosplice insertion machine platforms
- Insertion heads for Autosplice insertion machines

TOOLING
- Injection molding tooling development
- Progressive die stamping design
- Custom pin tooling

OTHER SERVICES
- Value engineering for collaborative cost-downs
- Program management of New Product Introduction
- Rapid prototyping
We have the ability to assist in the design of your products anywhere in the world at our divisions in North America, Europe and Asia.
Global Standards
Press-fit Terminals

- 85C to 150C applications
- Interior to Under hood Electronics
- Test Reports Available
- .6mm to 1.2mm (Future state .5mm to 1.2mm)
- Housings to PCB terminals
Miscellaneous Precision Stampings
INJECTION MOLDING SERVICES

Interconnect Assembly Module incorporates robust press-fit terminals with precision molding and low cost flexible assembly technology.
Global Standards
CAPABILITIES

- Horizontal and vertical electric injection molding machines
- Capacities ranging from 35 to 250 tons
- Robot controlled bushing and terminal insertion
- 100% product validation through advanced vision and sensor controlled quality systems.
AUTOMATION SERVICES

We offer a full range of automated assembly equipment tailored to meet your manufacturing requirements from fully automated dual head in-line systems to precision bench top machines.
AUTOMATION SERVICES

CONNECTOR AND CONNECTOR MODULE ASSEMBLY

- Fully- and semi-automated post-molded assembly
- Fully- and semi-automated insert molded assembly

AUTOMATED INSPECTION CELLS

- Camera-based inspection
- High-pot testing
- Continuity testing
- Part marking

CUSTOM AUTOMATION FOR HANDLING AUTOSPICE PRODUCTS

- De-reelers
- Tape-and-reel systems
- SMA wire assembly machines
- Insertion machine heads
LET'S PUT MORE THAN 60 YEARS OF INNOVATION TO THE TEST

GLOBAL SOLUTIONS
CUSTOMER DEDICATED TEAMS
STRONG ENGINEERING CAPABILITY
LOWEST TOTAL COST SOLUTIONS