1. ACS 2000 with optional Horn Clincher and crimp force monitor is the next generation splicing machine, powered by a servo motor, this system features programmable functions for enhanced production controls.

2. 3-post micro switch, used in automotive applications, splicing proved more reliable and faster than soldering.

3. D-BIT power jumper, multi-wire to PCB, provides low profile connection.


7. Tungsten wire lead for UV light.

Autosplice Technology is trusted by the world’s leading automotive, consumer, medical and industrial electronics manufacturers due in part to its reliable, efficient and economical interconnection. Splice Technology produces gas-tight, repeatable, and waste-free low resistance crimped connections. Splice Technology has proven to be the lowest applied cost wire connection in the industry. Splice Technology feeds, cuts, forms and splices connections quickly, eliminating the need for pre-formed crimps.

VERSATILITY
• Compatible with virtually all wire and cable types
• Vast toolset library for most common wire diameters
• Numerous spliceband material and size options
• Wire-to-wire
• Wire-to-PCBs (D-Bit)
• Textiles, Fiberglass, Plastics
• Wire-to-component
• Wire-to-flex circuit (D-Bit)

VALUE
• Lowest applied assembly cost connection
• Production up to 2,300 crimps per hour
• Fast tooling changes
• Efficient, continuously fed material
• No scrapped material
• Easy to operate/fast learning curve

RELIABILITY
• Over 60 years in the industry
• Consistent and repeatable processes and controls
• Proven tool sets
• Meets UL 486C
• Meets MIL - STD 202
• Meets IEC 60352-2
• Meets IPC/WHMA-A-620

SPLICEBAND MATERIALS
• Strain relief band
• Brass
• Tin plated brass
• Cupro nickel
• Stainless steel
• Nickel plated steel
• Inconel
• Custom sizes available
• Widths 2, 4, and 6 mm
• Thickness between 0.25 and 0.50 mm

ENGINEERING
• Custom tool set design
• Custom band design
• Complimentary splice engineering evaluation and test report

SERVICE AND SUPPORT
• Worldwide service and support network

OPTIONS
• Crimp Force Monitoring
• Enhanced Productivity Fixturing
• AQS 5000 Micrograph
• Special Fixturing
• Horn Tooling
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For the highest quality requirements:
• Gas tight connection
• No cold solder joint
• No head impact to the components
• No stiffening to the wire
• Extremely low electrical resistance
• Resistant against vibrations and shocks
• Resistant against corrosion
• Small space requirements

Benefits of Autossplice System

Multiple Applications
• Approved in Automotive Industry, Telecom, medical devices, etc.

Development and Service
• Support design in phase for our customers per application
• Support in validation phase for customer applications

Integrable in full automatic manufacturing lines
• High cycle time, up to 2300 connections per hour

High flexibility for several applications
• By easily changing of toolsets
Splicing Equipment

ACS 2020

Features:
- 7” touchscreen (movable)
- Precise splice band feeder, electrical driven
- Basis Software with optional modular features, easy programming
- Precise manual splice height adjustment – in steps 0.02 mm
- Prepared for installation of CFM (Crimp-Force Monitoring), software and hardware
- Operation voltage 230VAC and 110VAC
- Ready to integrate in automatic lines / IO-interface including safety features
- Dimensions: approx. 490 x 320 x 480 mm
- Weight: approx. 50 kg
- Cycle Time: 0.3 sec.
- CE Conformity

Following Features are optionally available:
- Selection for several tool sizes and applications by Software
- Sequential splicing
- Visual positioning feature
- Camera view work position
- Integrated CFM (Crimp-Force-Monitoring) with Sequences
- Automatic splice height adjustment through display
- Automatic band length adjustment through display
- Possibility to safe machine settings and check usage of correct Spliceband, tooling, Crimp-height, pull out force, etc. Input via manual settings, Barcode reader or LAN
- RFID or networked devices like Pull-Force Tester and Crimp Height Measurement Device
- Oil dispensing unit with low-level alarm
- Detection of splice band end
- Service interface (Ethernet) also for statistic values
- Barcode and RFID
- Interface for CHM (Crimp-Height-Measurement) and Pull-Force Tester
- Interface to HMI
Splice band is an endless flat wire which will be cut into a suitable tool in our Splicemaschines, shaped and compressed to a finished Crimp / Splice. The splicing tape is longitudinally grooved on the underside (inner side of the connection), in order to meet the electrical and mechanical requirements of the Splice connection. Autos splice has different profile shapes in program in order to optimally meet the various customer requirements in every respect.

**Available spliceband**
Our spliceband is available in various thicknesses, widths, profiles and alloys. The production of customized ribbons, special alloys is also possible.

**Dimensions:**
- Width: 2, 4 and 6 mm
- Thickness: 0.20 to 0.50 mm

**Material:**
- CuZn30
- CuZn30 tinned
- E-Cu / Cu-ETP
- E-Cu / tin-plated Cu-ETP
- CuNi6Sn2
- CuNi6Sn2 tinned
- CuSn6
- Stainless steel

**M Band**
allows you to connect directly to enamelled copper wires. Due to the special profile a stripping of enamelled wires is usually not necessary.
Applications

Various Splice Applications

1. **PCB connections**, used in electronic devices
2. **D-BIT power jumper**, multi-wire to PCB, provides low profile connection
3. **3-post micro switch**, used in automotive applications, splicing proved more reliable and faster than soldering
4. **Multi-component splice**, parallel circuit
5. **Multi-component jumper splice**, RC band pass circuit
6. **Sensor for utility meters**, uncompromised reliability
7. **Tungsten wire lead** for UV light
8. **Multi-component series splice**, series circuit
Autosplice has a lot of experience in designing and manufacturing customized SMT contacts. Mechanical connectors are very often unique components because they are not SMT process capable. Autosplice designs according to customer requirements SMT process capable connectors that fit your application. Please view the following samples and contact us for more details.