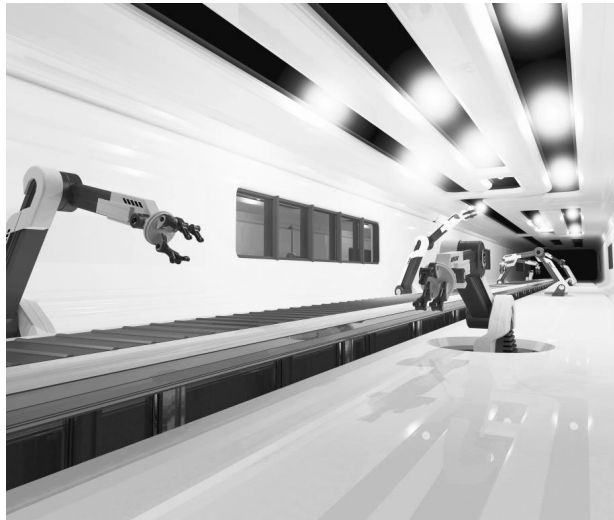


CABLE ASSEMBLY SERVICES FROM A SINGLE SOURCE

TE INDUSTRIAL



EVERY CONNECTION COUNTS



WORLD LEADER ENABLING CONNECTIVITY

TE Connectivity's technology is essential to our increasingly connected world. As more devices, machines and people become connected, TE helps sense, connect and transmit the vast mounts of data generated.

\$13.9 BILLION
FY 14 SALES WORLDWIDE

INDUSTRIAL SOLUTIONS
\$3.3 BILLION
FY14 SALES

INDUSTRIAL SOLUTIONS: FULLING INNOVATION AND GROWTH



54

Staff including 24 Engineers



6

Global Design Centers



+8

Million RD&E Investment



+60

USD Million Sales (TE + \$500M)

TE CABLE ASSEMBLIES



TE Cable Assemblies takes care of its customers, with total solutions that fit precise needs.

With our decades of experience, global expertise in development and manufacturing, and worldwide network of competence centers, TE Cable Assemblies creates customized solutions and standardized products that work exactly as they should.



SOLUTION FOCUSED



SPEEDY



SECURE



SEAMLESS

TE ADVANTAGES

CUSTOMER SUPPORT

TE Operational Advantage

- Global manufacturing footprint

PEOPLE

Customer Passion

- Inspired & highly engaged team
- Competent consultancy
- Skilled engineers

GROWTH

Go-to-Market

- Own testing capabilities, global competence
- Membership IEC standardization committees
- Distribution model

Product

- Breadth of product portfolio
- Leader in field connectivity
- Customized solution

SOLUTION FOCUSED: DEDICATED DEVELOPMENT CAPABILITIES



ENGINEERING CAPABILITIES

TE CABLEASSEMBLIES IS ON HAND TO:

- Identify customers' needs and objectives
- Map out issues that need resolution
- Quickly take all the steps necessary to move from design into production

To provide fully integrated solutions, TE engineers work hand in hand with development teams dedicated to connectors in order to leverage our vast portfolio of connectors to make sure any solution provides a perfect fit for a customer's needs.

Numerous automatic and semi-automatic manufacturing technologies are at our disposal, including cutting and stripping, soldering, IDC insulation displacement, over-molding and more.

GLOBAL MANUFACTURING OF TECHNOLOGIES

MULTIPLE TECHNOLOGIES:
MICRO SOLDERING
IDC TECHNOLOGY
CRIMP TECHNOLOGY



CABLE PREPARATION TECHNOLOGY

AUTOMATIC CUTTING & STRIPPING TOOLS

- Schleuniger PowerStrip 9500
- Flashschneider FS 100
- Schleuniger OC 3950
- Ramatech ABW 800/300



SEMI-AUTOMATIC CUTTING & STRIPPING TOOLS

- Schleuniger UniStrip & CoaxStrip Machines
- SIENNA 210 Laser Wire Stripper



OVERMOLDING

CAPABILITIES

- Offer custom solutions
- Fast turn-around time with lower applied tooling cost
- Synergy with 3D model capabilities
- High and low pressure overmolding in China and Europe



MOLDING TECHNOLOGY & PRODUCTS

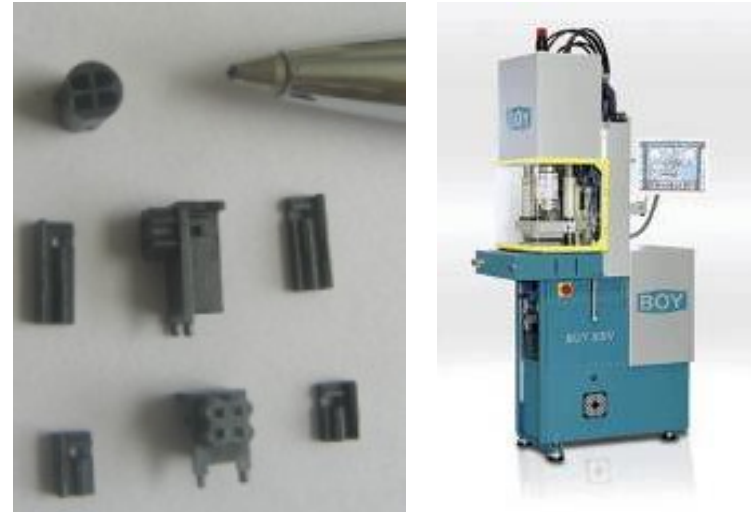
SOFT MOLD

- Molding Machine OptiMel 1202



MICRO MOLDING

- Molding Machine BoyXS
- Micro molding products for Siemens 4 pos coding connector



SOLDERING



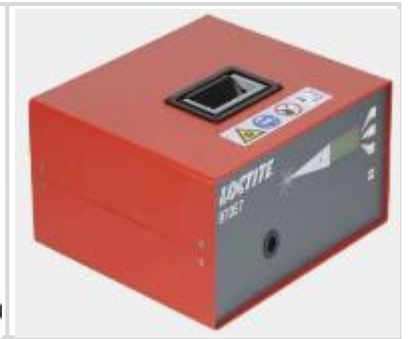
CAPABILITIES

- More economical compared to IDC and crimp solutions
- High variety of materials may be joined
- Less space required (i.e. high-speed connectors with PCB)
- Different types of soldering
 - Hot bar soldering
 - Induction soldering



SOLDERING TECHNOLOGY

- Weller Soldering Equipment
- American Beauty Resistance Soldering Equipment
- Renex Soldering Equipment
- Coax Cable Stripping & UV Hardening



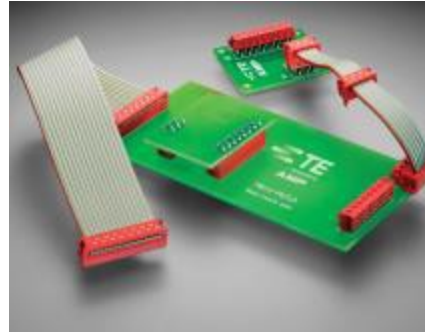
INSULATION DISPLACEMENT CONNECTIONS (IDC)

CAPABILITIES

- Cost-effective high reliability solution
 - Short manufacturing cycle times
 - Pre-loaded connectors
 - No stripping of insulation
 - Mass termination
- High level of automation is possible

IDC TERMINATION

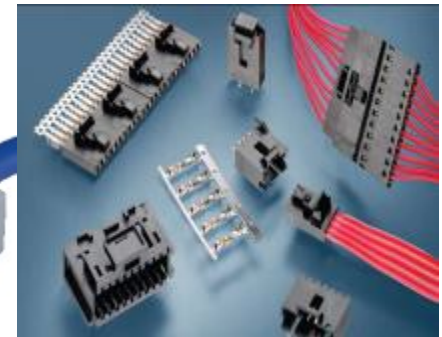
- Champomator Machines
- MT-Matic Machines



CRIMPING

CAPABILITIES

- TE dedicated tooling makes the crimping process highly repeatable
- High quality standard
- Crimp technology offers high reliability solution for a vast number of applications



CRIMP TECHNOLOGY

PNEUMATIC PRESS CRIMPING

- WDT Safety Crimp Press
- Dedicated Press
- Schleuniger/Telegartner Safety Crimp 10, 15, 20
- Pneumatic Indnet Crimping up to 120 sqmm



SEMI-AUTOMATIC CRIMPING

- Schleuniger/Kirsten StripCrimp 750
- Komax bt 711
- AMP G-Press
- AMP -3K/40 & -5K/40



FULL-AUTOMATIC CRIMPING

- Komax Gamma 333 PC
- Komax Gamma 255 PC



SPEEDY: DOCUMENTATION AND PROTOTYPING



WORLD CLASS TEST LAB

- X-Ray
- Cross Section Analyzer
- ICP -RoHS



PROTOTYPING

- Available in every region
- 3D model making capability
- Pre-production connector housing manufactured from production grade thermoplastic



SECURE: MANUFACTURING AND SUPPLY CHAIN



MANUFACTURING SOLUTIONS

DESIGN TOOLS

2D/3D CAD

- CREO Parametric
- Able to import IGES or STEP files from many other CAD programs

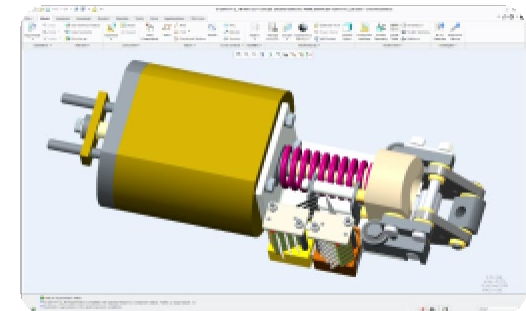
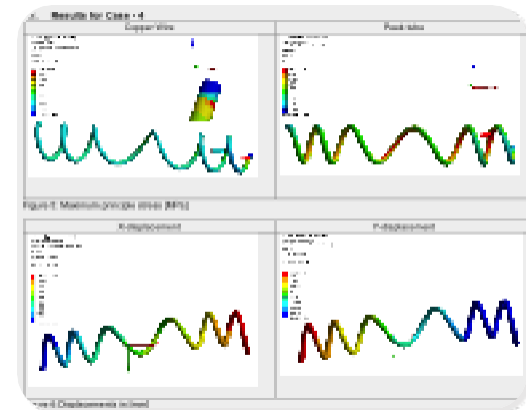
Concept Design

- Space-Claim

Photo-Realistic Modeling/Rendering

- Key-Shot

Our cable assembly development engineers work closely with our connector development teams and leverage the extended portfolio of TE connectors to provide you the best, complete connectivity solution



ELECTRICAL TEST EQUIPMENT

LOW VOLTAGE

- Cirris testers
- Poka-Yoke dedicated adapters for all products



GLOBAL FOOTPRINT



MANUFACTURING LOCATIONS

HERMOSILLO,
MEXICO

220,000+

square feet manufacturing space

WORCESTER,
MA -USA

160,000+

square feet manufacturing space

DONGGUAN,
CHINA

290,000+

square feet manufacturing space

BYDGOSZCZ,
POLAND

70,000+

square feet manufacturing space

THANK YOU

www.TE.com