

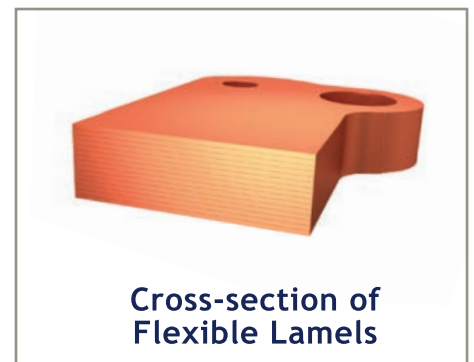
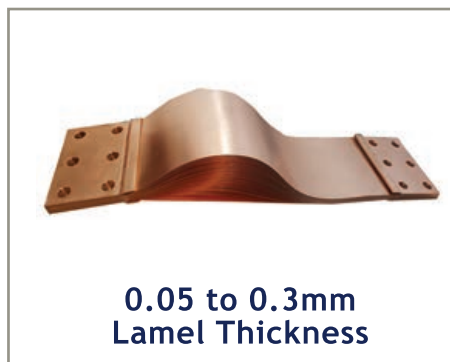
Customized Flexible Busbars

Versatile and vibration-free connections

InterFLX: High quality flexible busbars for low voltage power connections.

Created from stacked copper lamels, tightly welded by diffusion at the mounting areas.

- Vibration absorption
- Easy electric and geometric path design
- Fuss-free mounting (tolerances increased)
- Tailor-made insulation
- Rapid prototyping in 7 days



Applications

- Electric, Hybrid and Fuel Cell vehicles
- Electrical connections in switching cabinets
- Power link for generators
- Transformers
- Charging stations

Industries

Transportation



Cars



Buses



Trucks



Boats



Trains

Energy



Industrial



Power

CUSTOMIZABLE TO YOUR END APPLICATION REQUIREMENTS

- Various customized products according to detailed drawings
- Multiple delivery options possible:
With/without insulation, in any form specified

VERTICALLY INTEGRATED SOLUTIONS PROVIDER

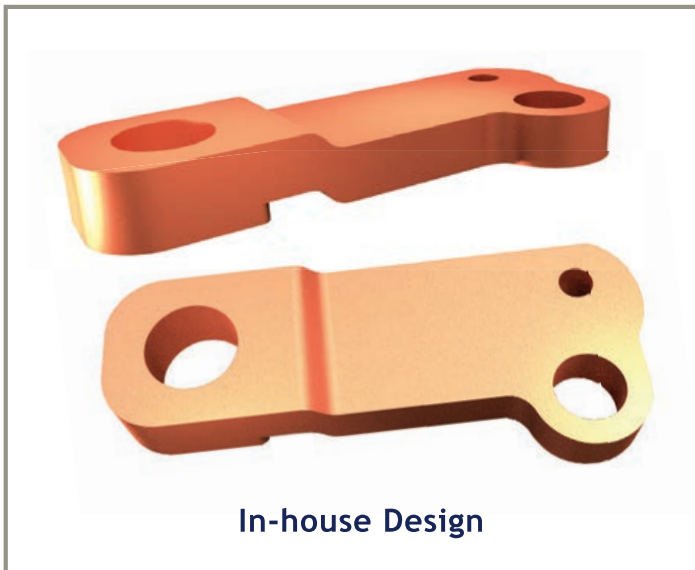
- Expansive global footprint - Europe and Asia
- Busbar production and assembly
- In-house capabilities to measure hardness, surface finish, lamel thickness and conductivity
- Just-in-time delivery worldwide

FEATURES OF FLEXIBLE BUSBARS

- Comprises of flexible or high conductivity copper lamels
- Molecular diffusion welding bonds multiple sheets to single solid body at mounting areas, while maintaining flexibility in the other areas

BENEFITS OF INTERFLX FLEXIBLE BUSBARS

- Excellent vibration and shock absorption
- Improves electrical conductivity
- Increases power efficiency
- Maintains flexibility without compromising mounting strength or vibration absorption ability
- High tolerance for assembly mismatch/offset
- Easily customizable for compatibility with specific assembly environments



In-house Design

CONDUCTOR MATERIAL

Material: Copper foil
Lamel Thickness: 0.05 - 0.3mm
Structural Strength: 1.5 - 4mm thickness

FLEXIBLE BUSBAR PROCESS FLOW AND TESTING METHOD

Slitting



Diffusion Bonding



Piercing



Interplex is experienced in customizing flexible busbars to your specific technical requirements and end applications. Our high quality flexible busbar solutions are trusted by customers across various industries. From single products to large-scale complex applications, we've got you covered.

Our team of in-house technical designers, metallurgists and engineering professionals are 100% dedicated to working with you to transform your designs into a reality.

Deburring



Voltage Drop Test



Cleaning

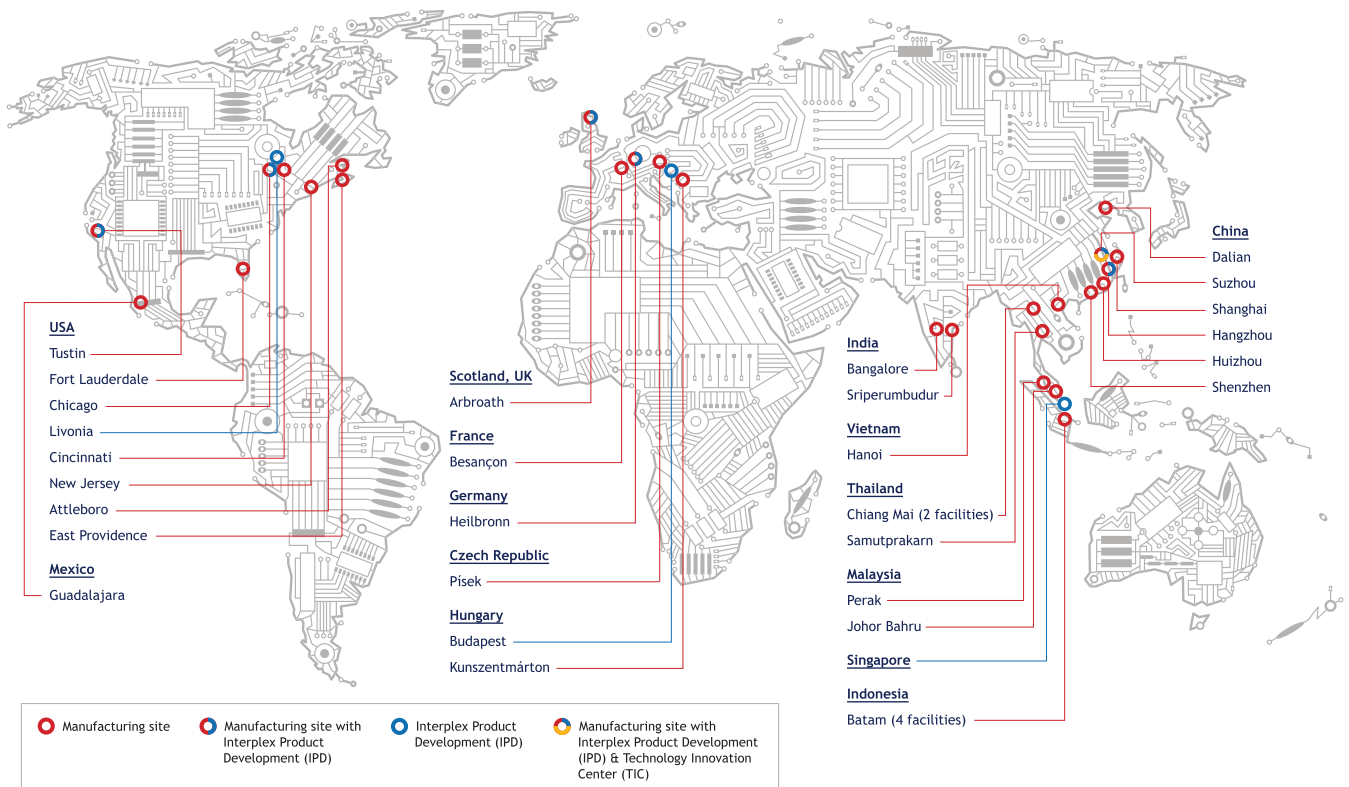


Bending



INTERPLEX WORLDWIDE

We provide Any solution, Anywhere™



Interplex is trusted by industry leaders around the world for our top-notch customized application solutions. We work closely with our customers to understand their end applications in order to design, engineer and deliver these solutions to their exacting specifications.

60 YEARS OF INDUSTRY LEADERSHIP



GROUP REVENUE

~US\$1 Billion



STAFF STRENGTH

13,100



FOOTPRINT

HQ in Singapore
30+ manufacturing sites
in 13 countries

PRODUCT DEVELOPMENT

9 locations worldwide

TECHNOLOGY INNOVATION CENTER

3 locations worldwide



QUALITY = CUSTOMER TRUST = BUSINESS

Numerous quality registrations