

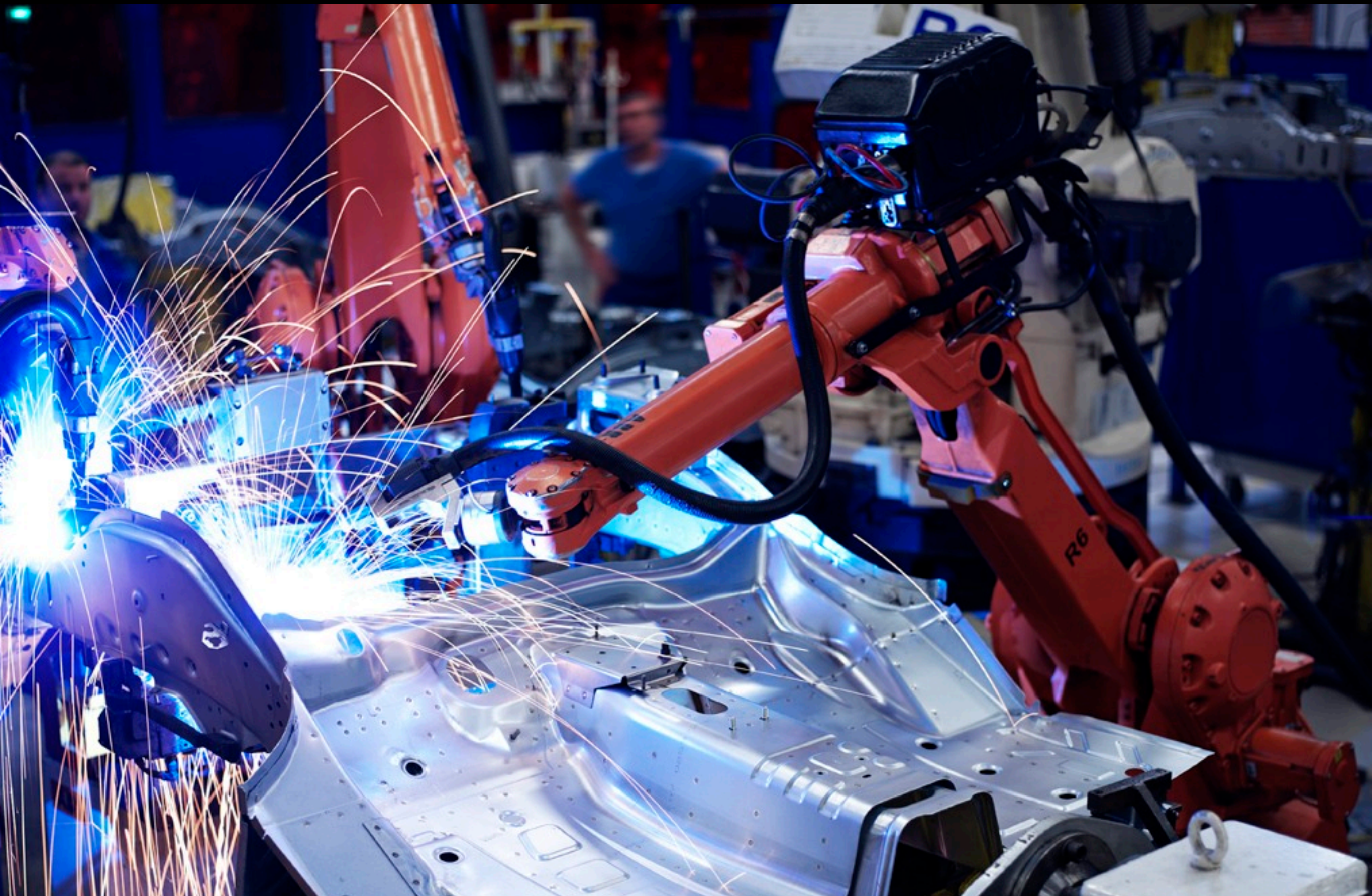
welding
soldering

fastening

JOINING

brazing

adhering



WELDING



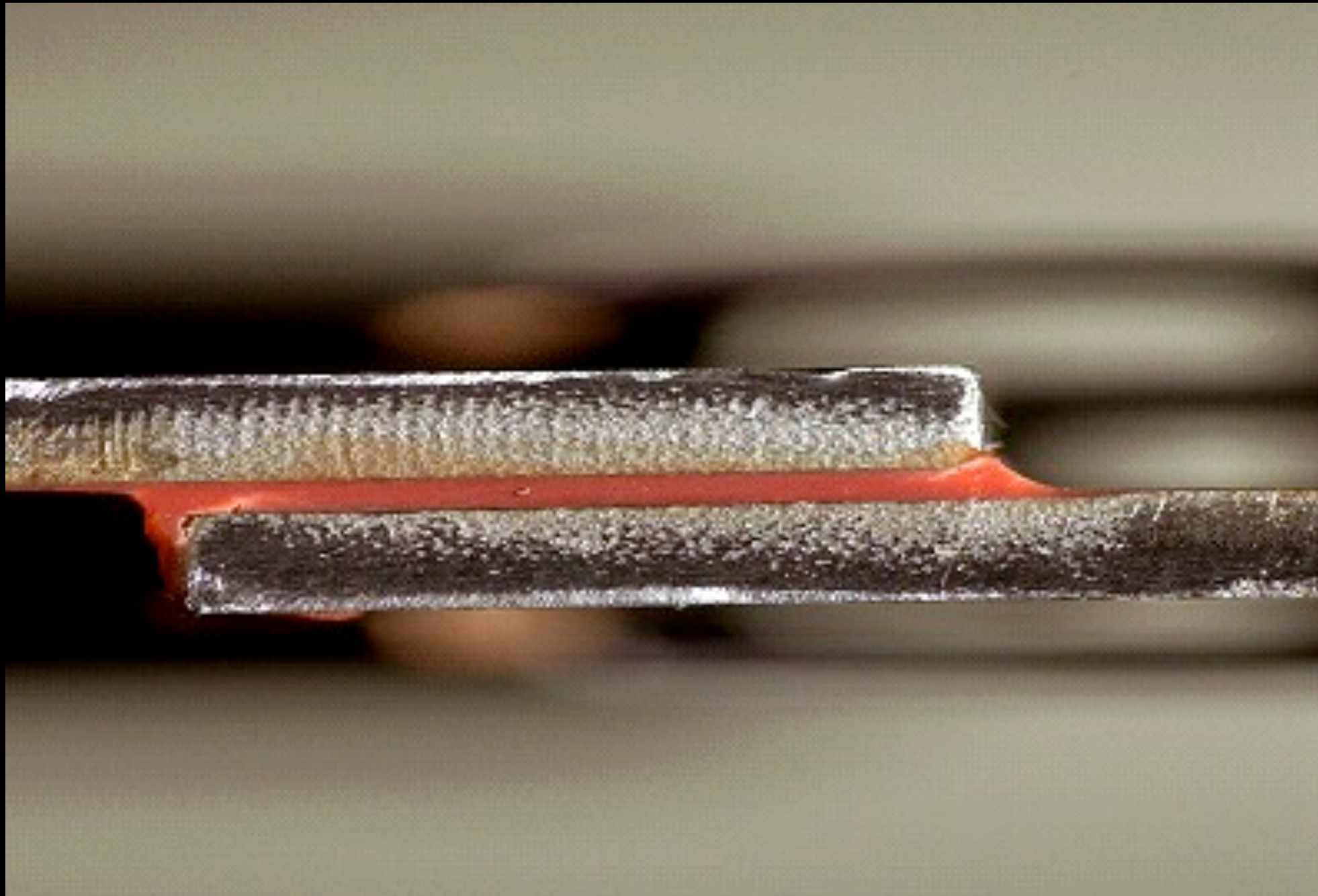
BRAZING



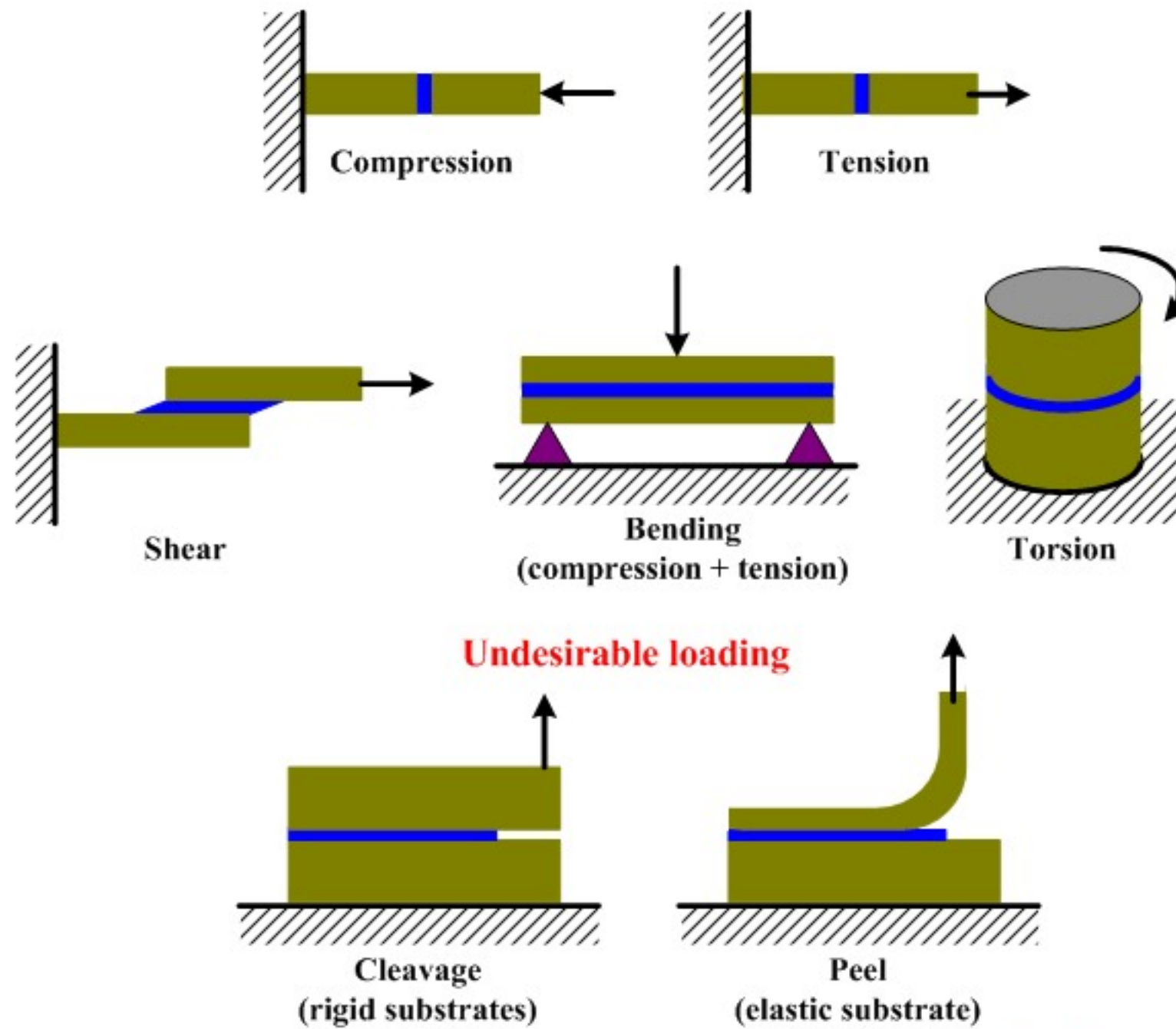
SOLDERING



ADHESIVES



Typical forces in adhesive joints



Adhesive joints



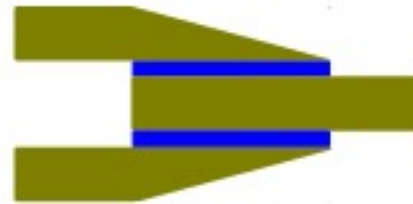
Butt joint



Scarf joint



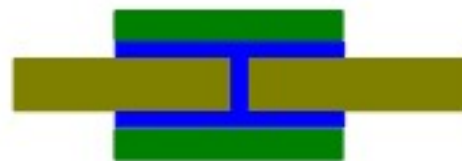
Single lap joint



Double lap joint



Single strap joint

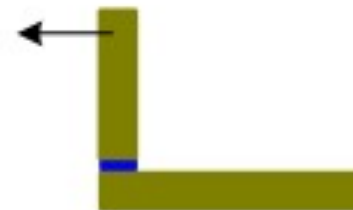
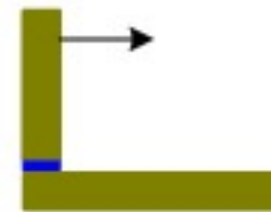


Double strap joint

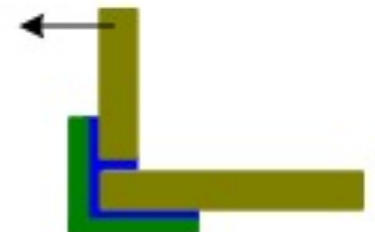
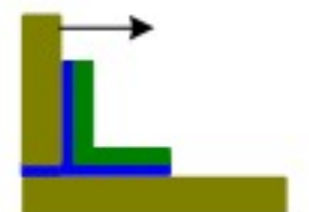
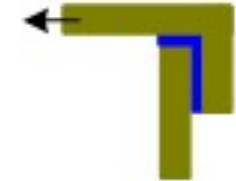
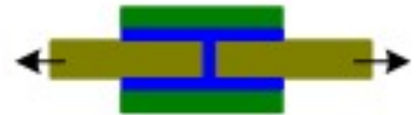
www.substech.com

Adhesive joint design

Incorrect



Correct



FASTENERS



threaded fasteners



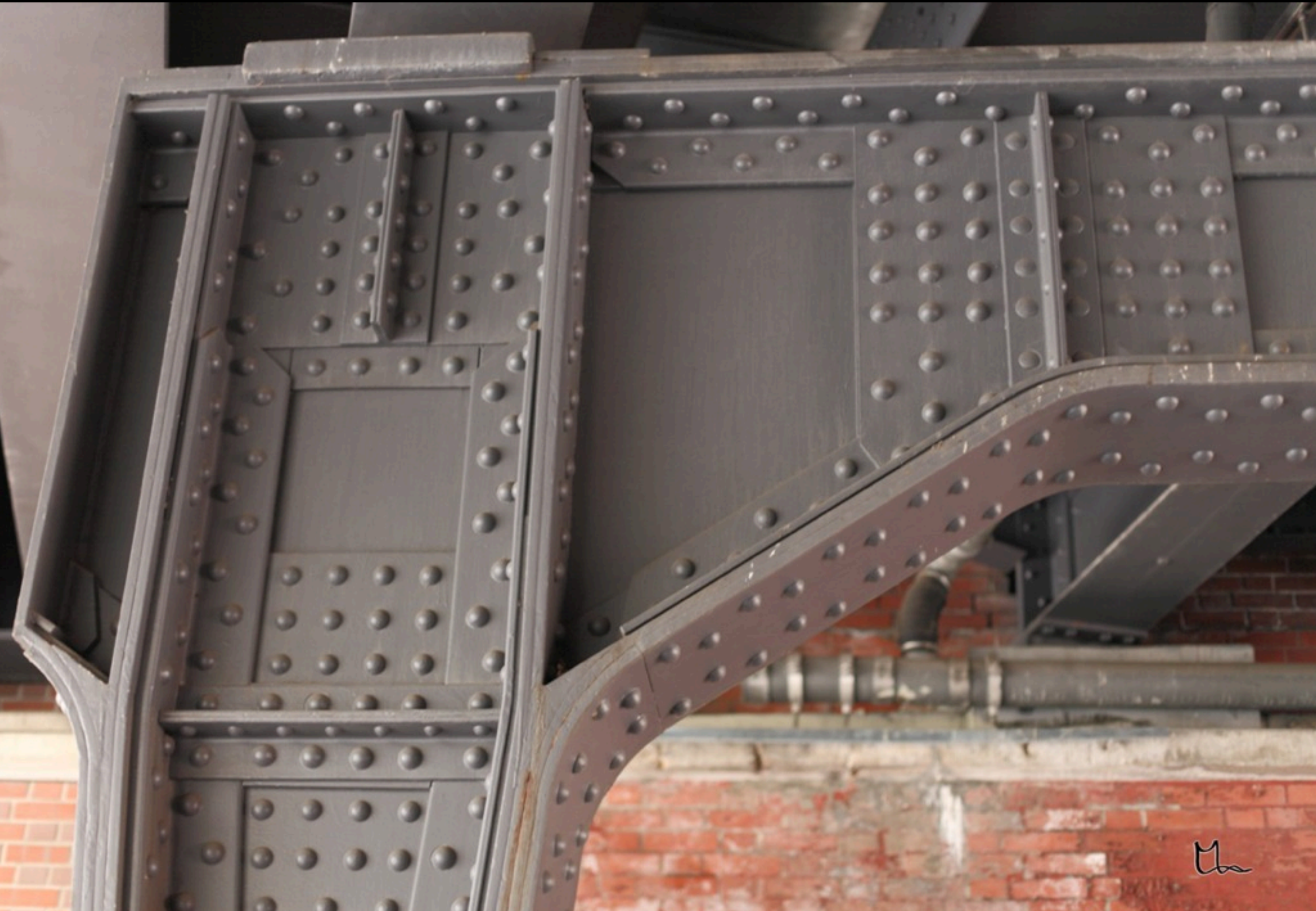
rivets



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INTERFERENCE FITS