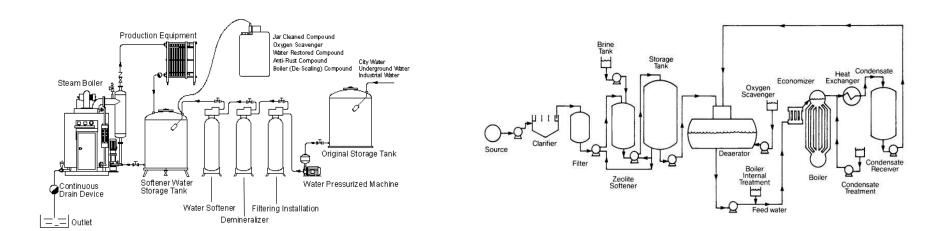
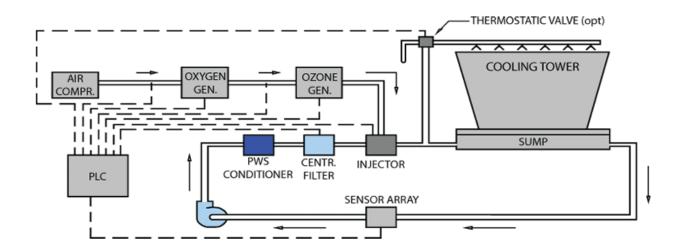
CORROSION PREVENTION vs. CORROSION PROTECTION

CORROSION PREVENTION

- MODIFICATION OF CORROSIVE MEDIA/ENVIRONMENT
- PROPPER SELECTION OF MATERIALS AND JOINING METHODS
- AVOIDANCE OF CORROSION PROMOTING CONSTUCTION SHAPES AND COFIGURATIONS
- LIMITATION OF EXCCESIVE STRESSES, VIBRATIONS AND MICRO OSCILATIONS CORROSION PROTECTION METHODS AND TECHNIQUES
 - CORROSION INHIBITORS
 - TEMPORARY (TRANSPORT, STORAGE) PROTECTION
 - CORROSION PROTECTION COATINGS
 - ELECTROCHEMICAL/GALVANIC PROTECTION

MODIFICATION OF CORROSIVE MEDIA/ENVIRONMENT





PROPPER SELECTION OF MATERIAL





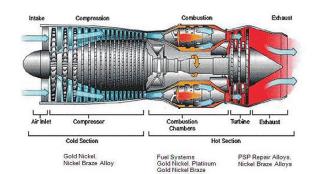


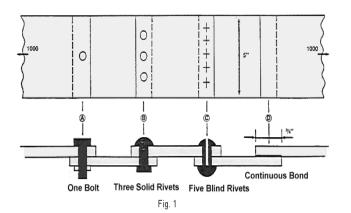
Figure 1 - Common Locations for Use of Alloys in Turbofan Engine

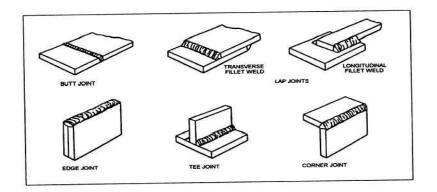


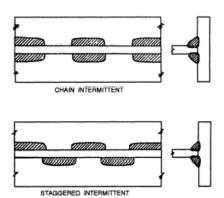




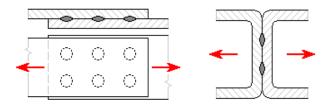
PROPPER SELECTION OF JOINING METHODS

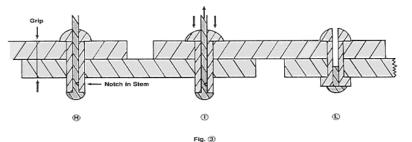






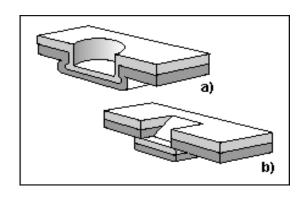


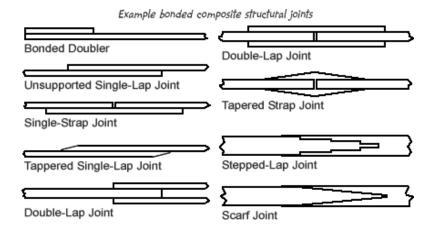




AVDEL-AVEX Blind Rivet

PROPPER SELECTION OF JOINING METHODS





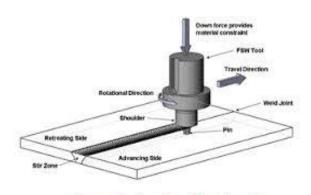
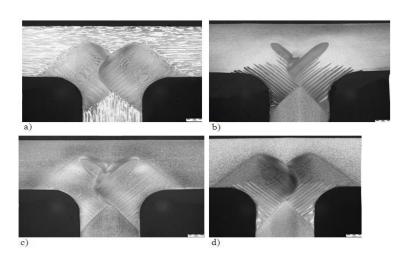
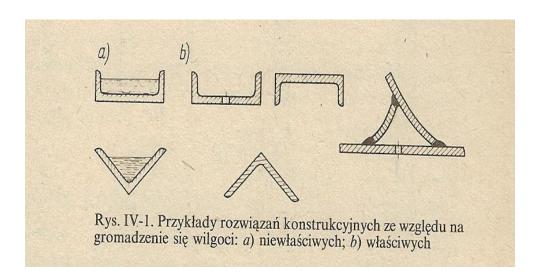
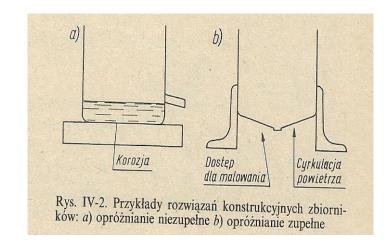


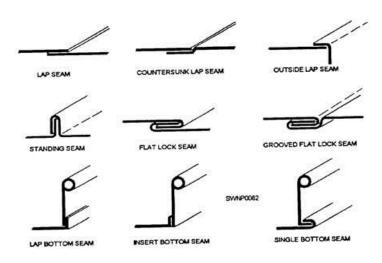
Figure 1. Friction Stir Welding Schematic



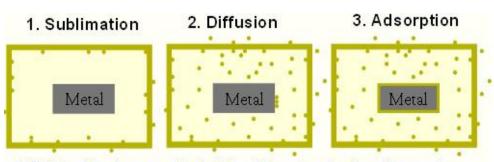
AVOIDANCE OF CORROSION PROMOTING CONSTRUCTION SHAPES AND CONFIGURATIONS







CORROSION INHIBITORS



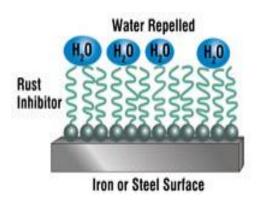
- 1. Sublimation (evaporation) of the VCI molecules from the carrier material
- 2. Diffusion (distribution) of the VCI molecules in the packaging space
- 3. Adsorption of a closed VCI film at the metal's surface.







CORROSION INHIBITORS









TEMPRARY (TRANSPORT, STORAGE) PROTECTION











CORROSION PROTECTION COATINGS

- PAINT COATINGS
 - . SOLVENT PAINTS and WATER BASED PAINTS
 - MANUAL PAINTING
 - SPRAY APPLICATION
 - DIP or DIP SPIN APPLICATION
 - CONTINOUS FLOW APPLICATION
 - AUTOPHORETIC DIP APPLICATION
 - E-COATING
- POWDER COATINGS
 - ELECTROSTATIC APPLICATION
 - FLUIDIZED BED APPLICATION



PAINT COATINGS









SPRAY APPLICATION

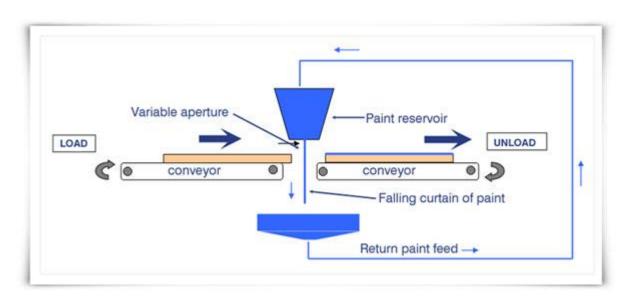


PAINT COATINGS



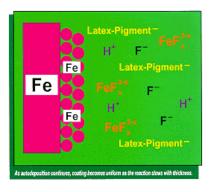






CONTINOUS FLOW APPLICATION

Fe Latex-Pigment Fe Latex-Pigment Fe H Fe Fe H Fe H Fe Latex-Pigment Fe Latex-Pigment Fo Fe Latex-Pigment Fo Coty motof substates will suboleposite the coasting solution.



PAINT COATINGS

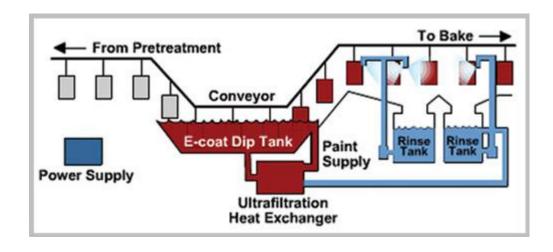
AUTOPHORETIC DIP and RINSE APPLICATION



PAINT COATINGS



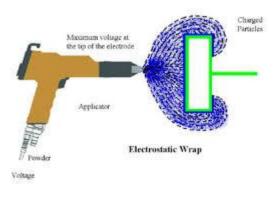
E-COATING (ELECTROPHORETIC)



POWDER COATINGS



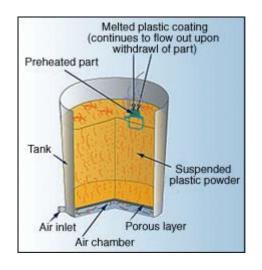
ELECTROSTATIC APPLICATION





POWDER COATINGS

FLUIDIZED BED APPLICATION







HYBRID FLUIDIZED BED-ELECTROSTATIC APPLICATION

