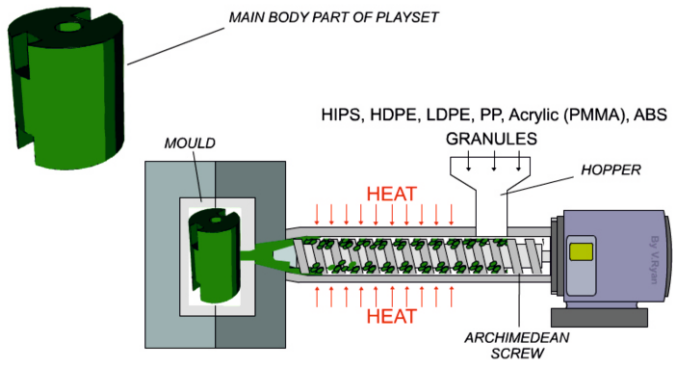
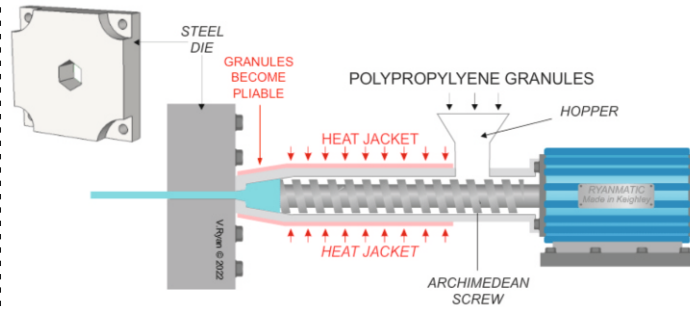


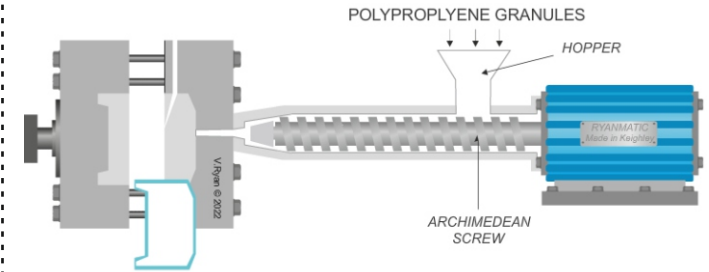
## INJECTION MOULDING



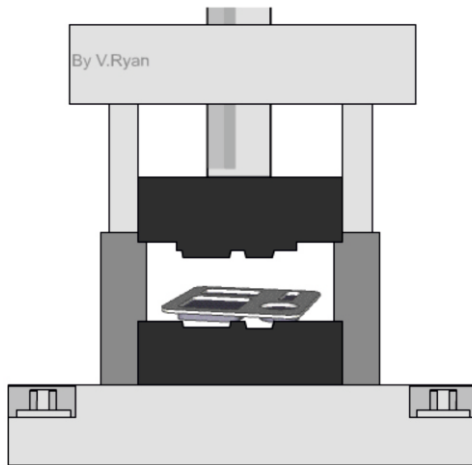
## EXTRUSION



## BLOW MOULDING



## COMPRESSION MOULDING



## VACUUM FORMING



## STRIP HEATER



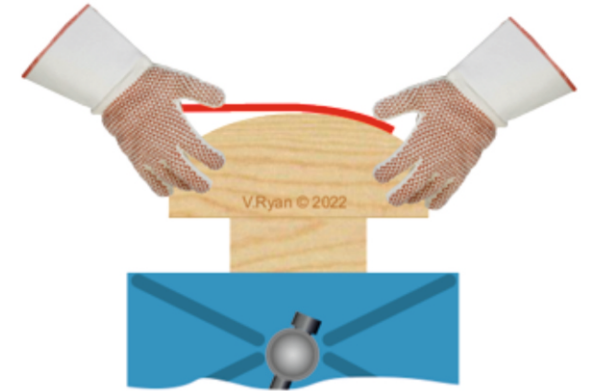
## PROFILE CUTTER



## ROTATIONAL MOULDING

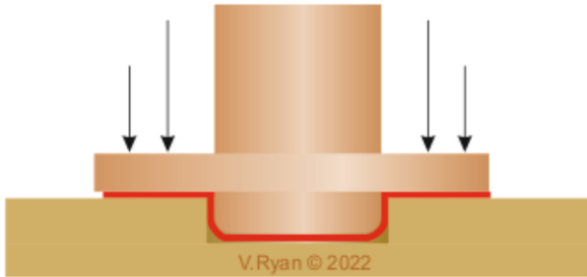


## DRAPING / DRAPE FORMING OF PLASTICS



## PRESS MOULDING

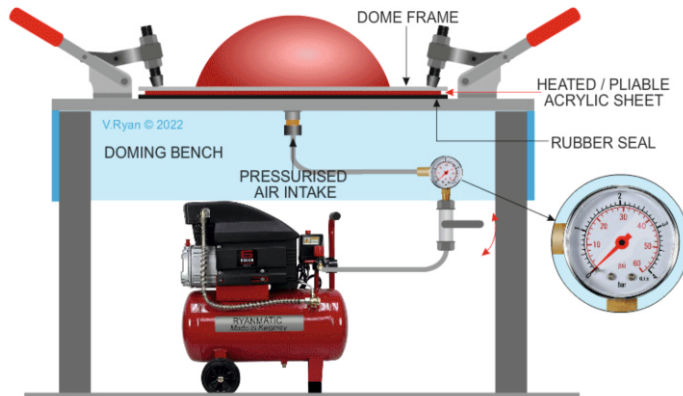
PRESSURE APPLIED



'DISH' SHAPE FORMED



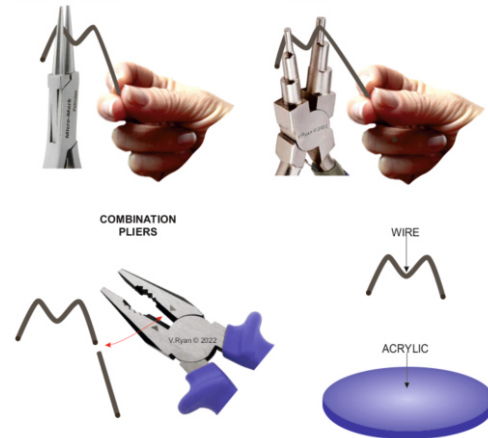
## DOMING ACRYLIC



## PLASTIC MEMORY

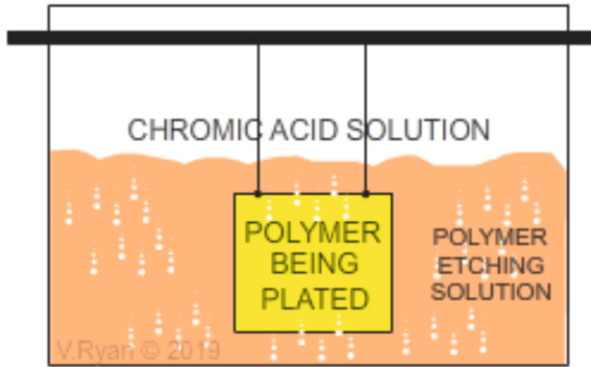
SLIM NOSE and NEEDLE NOSE

STEPPED PLIERS

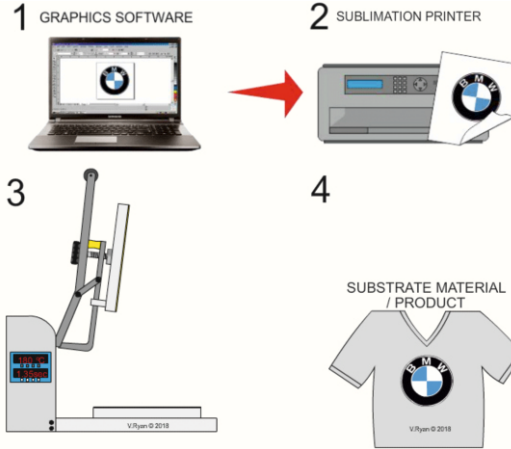


# ELECTROLESS PLATING AND ELECTROPLATING OF PLASTICS

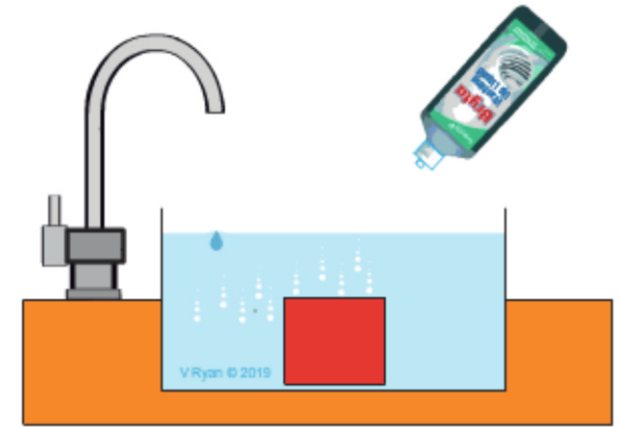
## ELECTROLESS PLATING



# HEAT TRANSFER PRINTING VINYL DECALS - VINYL STICKERS



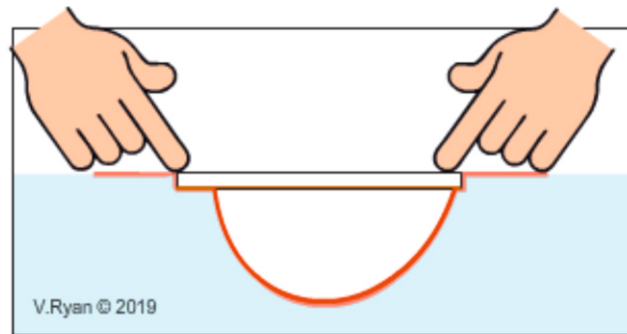
# PAINT SPRAYING OF PLASTICS INCLUDING RUBBERISING SPRAY



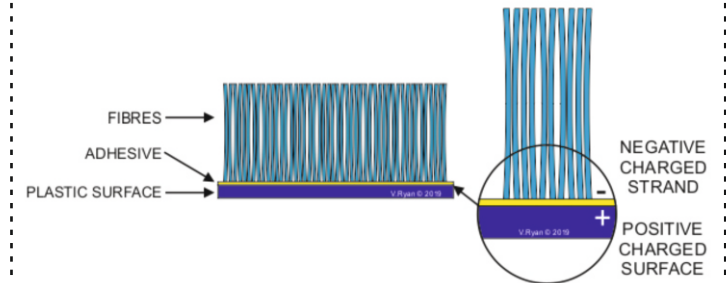
# GLUES FOR PLASTICS



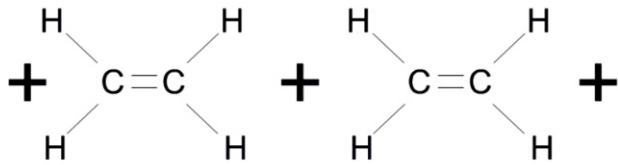
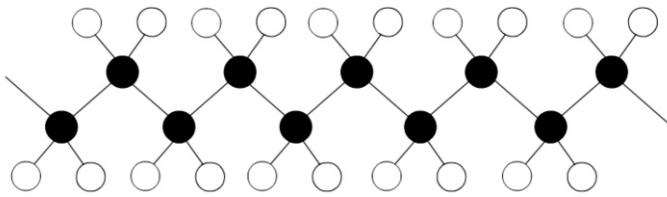
# HYDROGRAPHIC PRINTING / IMMERSION PRINTING



# FLOCKING - POLISHING AND LASER ETCHING

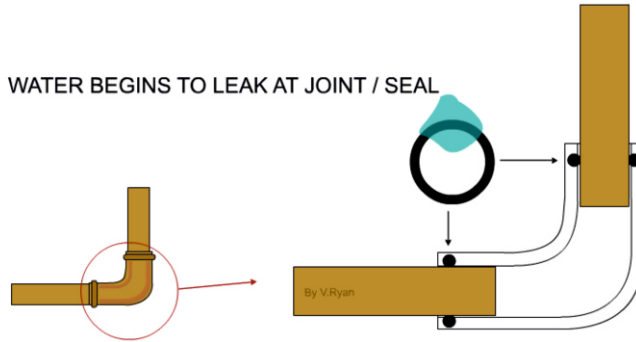


## WHAT ARE PLASTICS?



## HYDROMORPHIC POLYMERS

WATER BEGINS TO LEAK AT JOINT / SEAL

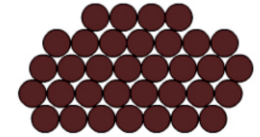
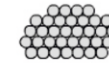


## HYDROCARBON ENCAPSULATING POLYMERS



HC POLYMER WITH ABSORBED CRUDE OIL

HC POLYMER



## THERMOPLASTIC ELASTOMERS (TPE)



ARNTINEL



HYTREL



KRATON



RITEFLEX



STYROFLEX



## POLYMORPH

4.



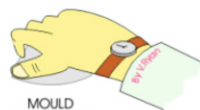
MASS OF POLYMORPH

5.



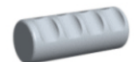
REMOVE POLYMORPH

6.



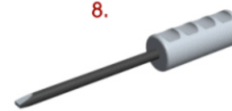
MOULD POLYMORPH GRANULES

7.



MODEL ERGONOMIC SCREWDRIVER HANDLE

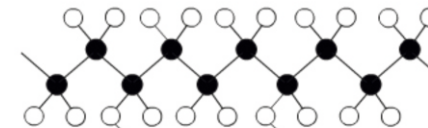
8.



ADD SCREWDRIVER BLADE FOR REALISM



## SELF-HEALING MATERIALS POLYMERS AND ELASTOMERS

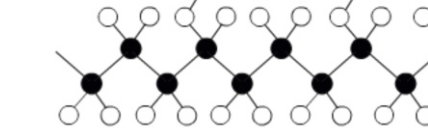


LONG CHAIN POLYMER

V.Ryan © 2019



CROSS LINKING



LONG CHAIN POLYMER

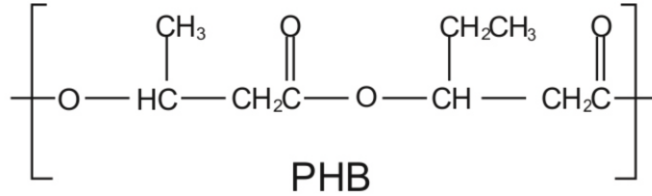




# RENEWABLE - ENVIRONMENTALLY FRIENDLY POLYLACTIDE (PLA)



# BIOPOL - BIODEGRADABLE PLASTIC



# OXO-DEGRADABLE POLYMERS

VENDING MACHINE CUPS



PLASTIC GLOVES



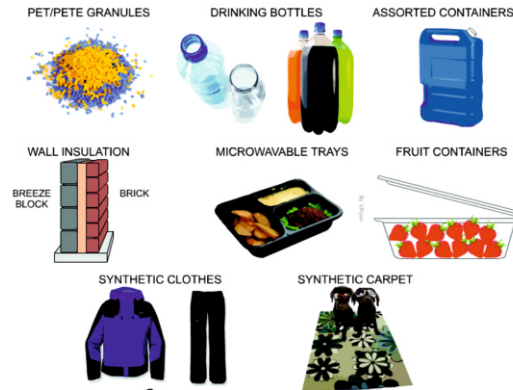
LEVER ARCH FOLDERS



CARRIER BAG



# POLYETHYLENE TEREPHTHALATE, PET, PETE, (POLYESTER)



Type 1 - PETE Polyethylene Terephthalate (PET)



# NYLON (POLYAMIDE)



# POLYURETHANE AND FOAM RUBBER

