

## Description

This entry level package includes composite materials, equipment, and shop supplies necessary for room temperature curing. This package is designed for start-up environments where students use a variety of advanced composite materials for small projects.



## This package includes...

### Equipment

- **VACSYSKITE**L – Vacuum System, Hoses, Probes, Gauge, Manifold, and Fittings ..... Quantity: 1 Ea
- **TTIS 20"** – 20in Tabletop Impulse Sealer ..... Quantity: 1 Ea
- **TTCS** – Tabletop Cutting Surface (0.25in thick, custom width x length) ..... Quantity: 1 Ea

### Materials

- **BMS 9-3 7781** – Dry Fiberglass Fabric Style 7781 (38in wide) ..... Quantity: 15 Yds
- **BMS 9-8 3K-70-P** – Dry Graphite Cloth Style 3K-70-P (42in wide) ..... Quantity: 15 Yds
- **KEVLAR 285** – Dry Kevlar Fabric Style 285 (38in wide) ..... Quantity: 15 Yds

### Bagging Materials

- **FT-01** – Flash Tape (1in wide x 72yds long)..... Quantity: 5 RLS
- **B100Z** – Non-woven Breather/Bleeder Fabric (10ozft; 60in wide x 50yds long)..... Quantity: 1 RL
- **HS8171** – Vacuum Bagging Film (2mil thickness x 50in wide x 1000ft long)..... Quantity: 1 RL
- **NPP-60** – Nylon Peel Ply (60in wide)..... Quantity: 25 Yds
- **FEP48-NP** – Non-perforated Parting Film (48in wide) ..... Quantity: 25 Yds
- **FEP48-P** – Perforated Parting Film (48in wide)..... Quantity: 25 Yds
- **SM5142BY**– Vacuum Bagging Sealant Tape..... Quantity: 40 RLS

### Shop Supplies

- **POLYTB14IN** – Clear Poly Packaging Material (14in wide x 725ft long) ..... Qty: 1 RL
- **STDSP3X4** – Standard Spreader (3in x 4in) ..... Qty: 1 Box
- **CTFTSTCK** – Jumbo Craft Stick (6in x 3/4in) (500/box)..... Qty: 2 Boxes
- **MXCUPS** – 16oz Paper Cups, Non Wax (500/case) ..... Qty: 1 CS
- **TYVAPRON** – Tyvek Apron (100/case) ..... Qty: 1 CS
- **SEGLVS** – Nitrile Gloves (Small)..... Qty: 10 Boxes
- **SEGLVM** – Nitrile Gloves (Medium) ..... Qty: 10 Boxes
- **SEGLVL** – Nitrile Gloves (Large)..... Qty: 10 Boxes
- **SEGLVXL** – Nitrile Gloves (X-Large) ..... Qty: 10 Boxes
- **SERESP** – N95 Particulate Respirator (10/box) ..... Qty: 12 Boxes
- **SCACC** – Purewipe Class A Cleaning Cloth (100/bag) ..... Qty: 5 Bags
- **RF 4010** – Epoxy Resin (Part A) ..... Qty: 2 Gal
- **RF 81** – Epoxy Curing Agent (Part B) ..... Qty: 1 Gal
- **3MTD-1** – Desktop Tape Dispenser (1in) ..... Qty: 3 Ea
- **BAGTOOL** – Bagging Tool (Handle Type)..... Qty: 15 Ea
- **FREKOTE 710NC** – Frekote 710 NC Mold Release..... Qty: 1 Gal



### Recommended Supplies Not Include

- A Comprehensive Guide to Composites Book
- Material rack (Minimum width of 65in)
- Flat aluminum tooling (minimum size of largest project)
- Utility knives
- Shop Scissors
- Chip Brushes
- Safety glasses & storage for safety glasses
- Digital weighing scale (minimum 15lbs)
- 6in measuring scales
- Protractors
- Sharpie Permanent marker (black)
- Color-Tex pencil (blue or yellow)
- Wash bottles
- Abrasives

### Application

With this package you will be able to teach students a variety of skill sets related to advanced composite production such as:

- ✓ Wet and dry lay-up
- ✓ Resin mixing and spread
- ✓ Vacuum bagging
- ✓ Cure techniques
- ✓ Part fabrication and trimming
- ✓ Quality Inspection

*Note: equipment photos are for presentation purposes only. Actual colors and sizes may vary depending on your specifications.*