Summary of Training & Course Catalog

Paintucation Pro

This training system is designed to complement existing trade schools and add additional instruction to modern collision repair fundamental training. Paintucation PRO follows the industry accepted 5 categories of modern collision repair, and provides proactive classroom tools to instructors in the form of interactive training lessons, clearly defined expectations, knowledge-checks within each category, and an evaluation (test) at the end of each category. This training system can be utilized many ways; as standalone digital curriculum, as a teachers-aid, as a visual lesson strategy for classroom study and discussion or as assigned homework and enhanced reinforcement to in-class curriculum. Paintucation lessons utilize modern repair techniques & tools, as well as a "best-Practice" mindset that's subtly woven into each lesson. The interactive junctions give instructors a chance to insert their own "teachable moments" into the lessons, and invite discussion into the classroom environment.

The 5 categories of training are:

1. **Collision Repair Fundamentals**
2. **Plastic Repair**
3. **Disassembly & reassembly**
4. **Refinishing**
5. **Aluminum & Steel Small Dent Repair**

1. Collision Repair Fundamentals(outer body panels, non-structural repair)

In this introduction to automotive collision repair, safety considerations & PPE are clearly demonstrated and discussed. Environmental awareness & responsibility play a big role in the mentality of a technician, and these concepts are introduced. Corrosion resistance and OEM seam sealer techniques are demonstrated, as well as becoming familiar with the growing importance & opportunity of ADAS technology in modern vehicles. Several different potential career paths are shown with in-depth interviews with industry professionals & experts.

Introduction & overview

i. 2 PPE & proactive safety
ii. 3 OSHA awareness & waste responsibilities
iii. 4 TDS & SOP's
iv. 5 Electronics & ADAS awareness
v. 6 Replace OE seam sealer & Corrosion resistance
vi. 7 Job Opportunities & career pathways

2. **Plastic Repair**

The objective of this course is to familiarize the learner with repair, refinish, and replacement SOP's of plastic components found in today's automobiles. Plastic welding techniques are demonstrated, as well as how to properly identify plastic prior to repair. ADAS considerations are introduced for when it's not safe to repair plastic panels in front of sensors, and only replacement is best practice.

Introduction & overview

i. 1 PPE & best practices
ii. 2 Identifying plastic
iii. 3 Plastic Welding Equipment
iv. 3 Practice
    a. 5 Torn Bumper Repair
    b. 6 Slotted Tab Repair
    c. 7 Dented Bumper Repair
    d. 8 Mesh & Tab Repair
v. 4 Raw Plastic Prep
vi. 9 When to repair and when not to repair. (ADAS, Sensors, OEM practice)

3. Disassembly & Reassembly

This course objective is to teach the importance of methodical and documented disassembly and reassembly when in the repair process of a given vehicle. Parts inventory, storage, and workflow techniques and solutions are introduced, as well as basic panel alignment and glass installation is also covered.

Introduction & overview

i. 2 Parts Inventory
ii. 3 Parts Storage Solutions
iii. 4 Disassembly tools and Techniques
iv. 5 Exterior Trim removal
v. 6 De-Badging Trim & moldings
vi. 7 Interior Trim removal
vii. 8 Bumper Cover R&I
viii. 9 Windshield R&I
ix. 10 Door Glass R&I
x. 11Body Panel Alignment
xi. 12 Vintage Sheet Metal Alignment

4. Surface preparation

The objective of this course is to train basic surface prep & fundamentals on multiple substrates. Identifying the surface is critical to creating a repair strategy, and grit, tool, and product selection is taught in detail for both solid and metallic paint. Masking for overspray is demonstrated, as well as static control using state of the art modern equipment.

Introduction & overview

a. 2 - Identifying The Surface
b. 3 - Rules of Adhesion and Grit Strategy
    a. Grit Strategy
    b. Sanding 101
c. 4 -Surface Prep on Used Panels
d. 5- Surface Prep for Metallic Paint
e. 6 - Dual Action sanders
    a. E-Coat Prep
f. 7 - Prep to blend 1
    a. Prep To Blend 2
g. 8 - Masking 101
h. 9 - Static Control

5. Painting & Polishing

The objective of this course is to teach functions of the spray gun as a tool, and to introduce training exercises to new technicians to build muscle-memory and troubleshooting skills. Spray techniques for single stage and 2 stage paint systems are demonstrated. Post-application surface correction/surface repair techniques and strategies are taught in order to repair a flawed sprayed surface, as well as to change the texture of a given sprayed surface. Micro-repairs are demonstrated.

Introduction & overview

a. Spray Gun Function & Booth SOP
b. Painting Technique & practice exercises
c. Spray Gun Troubleshooting
d. Single Stage Paint
e. Two Stage paint
f. Basecoat repair Troubleshooting
i. Polishing
j. Removing Surface Defects
    i. Repair runs
    ii. Dirt nibs
    iii. Finger prints/surface blemishes
k. Micro Repairs and Clear Blending
    i. SOP's
    ii. Best Practice reminders

5. **Aluminum & Steel Small Dent Repair**

   The objective of this course is to familiarize the learner with basic techniques, terminology, and safety considerations when working with non- structural metals. Body filler is demonstrated as a repair material, as well as GPR techniques and equipment are introduced and demonstrated.

6. **Introduction & overview**

   i. b Hammer & Dolly Tools and techniques

   ii. c Aluminum

   iii. d Heat Shrinking Metal

   iv. e Filler Application and Blocking

   v. f Glazing Putty & pinholes

   vi. G GPR Repair Technology