

## ILLUSTRIMUM™ M1172 DTM

### OVERVIEW

#### Spray Trial on Parts Line

- Spray trial replacing customers' existing solvented 2K DTM polyurethane
- Parts to be sprayed consisted of several geometries of sandblasted steel

### PRODUCTIVITY IMPROVEMENT

- Existing system requires two applications to achieve the required film build without runs (4-5 mils wet)
  - ~ **M1172 DTM** applied in a single application at a thickness of 3-5 mils
- Existing system requires ~30 minutes between coats, followed by several hours prior to handling and often overnight before crating
  - ~ **M1172 DTM** coated parts could be sprayed and safely moved in 15 minutes, handled within two hours and crated the same day

### RESULTS

- Compared to an earlier trial using the same parts, volume usage per part dropped by 25-47%, as the painter became adjusted to the new system
- Average coating thickness measured with a ferrous thickness gauge across the different types of parts was 2.8-5.1 mils
- Total paint volume usage was equivalent to solvented 2K urethane, but with more paint ending up on the parts in half the spray time
- Due to the faster cure and single coat process, the amount of work in progress inventory was dramatically reduced, and removed the paint booth as the limiting step of the production process

