

SUCCESS STORY



P-MIX 100

INDUSTRY

Crafting and customization
of weights for gyms

WHAT FOR

Mixing a fast reacting, two component
polyurethane with a colorant

APPLICATION

Filling cavities on a PU Moulding to customise
dumbbells to show weight and the brand of
the gym name, stand out.

PROBLEM

They want to mix a fast reacting two component polyurethane, with a pigment and decant it into syringes for manual application. With the materials fast reaction times, it was difficult to blend and fill a syringe, before the material started to exotherm and increase viscosity.



SOLUTION

The Planetary Mixer P-Mix 100 was the best solution: It has the capacity to mix the PU & Iso, with the pigment, directly in the syringe. This cuts down processing time and ensures the end user has the longest potlife to carry out the intricate decaling on the weights. With Dosis' 3D printing options, a carrier with up to five 3cc syringe support, can be used.

This option gives the customer the choice of mixing up to 5 different colours at the same time, increasing productivity for the company. The P-Mix eliminates the hazards associated with hand mixing and syringe decanting as well as reducing material wastage. All for a competitive price and unrivalled support.



Before



After